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B016/B054

17.4311
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AUTHORS: Samsonov, G. V. and Radzikovskaya, S. V.

TITLE: A Vacuum-thermal Method of Producing Cerium Monosulfide

PERIODICAL: Ukrainskiy khimicheskiy zhurnal, 1960, Vol. 26, No. 1, pp. 412-417

TEXT: The authors wanted to find simpler and more reliable methods of producing cerium monosulfide, and define more precisely the conditions for producing cerium sesquisulfide on the basis of methods described in Refs. 3 and 4. To produce Ce_2S_3, they studied the sulfidation of CeO_2 by dry H_2S between 600 and 1300°C. The method of producing the initial substances is described. Weighed samples of CeO_2 or of mixtures of CeO_2 and S or carbon black, were heated in a resistance furnace in a continuous H_2S current. The H_2S was previously dried with calcium chloride and phosphoric anhydride. The sulfidation products were also cooled in the H_2S current; the content of cerium, sulfide and free sulfur was

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A Vacuum-thermal Method of Producing Cerium Monosulfide

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subsequently determined. The methods of analysis are described. Table 1 and Fig. 1 show the results of direct sulfidation without the addition of reducing agents. The products obtained melt at higher temperatures (1400-1500°C). This is probably due to the formation of eutectic mixtures of various cerium sulfides, and to the reaction of sesquisulfide with the porcelain of the vessel. The data indicate that a sufficiently complete reduction of cerium oxide takes place at 900°C. A further increase in temperature does practically not influence the composition of the resulting product. The use of coal as a reducing agent offers no advantages as compared with direct sulfidation. Further, the authors investigated the presumable reactions of Ce_2S_3 with CeO_2 to study the production conditions of CeS from Ce_2S_3. Table 2 shows the results of chemical analyses of the products prepared in vacuo at 1200-1600°C. Hence, it appears that the reaction $2Ce_2S_3+CeO_2$ does not proceed in the direction expected (with simultaneous formation of SO_2), but in the direction of the formation of a mixture of oxysulfides with Ce_2S_3. The reaction $Ce_2S_3 + CeO_2 + 3C$ [illegible] does not yield any products free from oxygen either. Besides, the

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A Vacuum-thermal Method of Producing Cerium Monosulfide

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are contaminated by silicon. By means of the reaction (3) $Ce_2S_3 + CeO_2 + C = 3CeS + 2CO$ (Tables 3, 4, Fig. 2), a product was obtained whose content of bound Ce and S is close to that of the monosulfide; the product is, however, strongly contaminated by carbon and oxygen. Table 5 shows results of the purification of the product by the addition of Ce_2S_3 and by heating it again to 1650-1700°C. An addition of 70% of Ce_2S_3 is sufficient to obtain the purest products. There are 2 figures, 5 tables, and 6 references: 3 Soviet, 2 US, and 1 French.

ASSOCIATION: Institut metallokeramiki i spetsplavov AN USSR (Institute of Powder Metallurgy and Special Alloys of the AS UkrSSR)

SUBMITTED: January 5, 1959

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35053
S/700/61/000/006/008/018
D267/D304

15.2240

AUTHORS: Kosclapova, T. Ya., Kugay, L. N., Medylevskaya, K. D., Radzikovskaya, S. V. and Seraya, O. G.

TITLE: Chemical properties and methods of analyzing some silicides

SOURCE: Akademiya nauk Ukrainskoy SSR. Institut metallokeramiki i spetsial'nykh splavov. Seminar po zharostoykim materialam. Kiyev, 1960. Trudy no. 6: Khimicheskiye svoystva i metody analiza tugoplavkikh soyedineniy. Kiyev. Izdvo AS UkrSSR. 1961, 69-74

TEXT: The author investigated the behavior of silicides in different media. The following disilicides were synthesized and investigated: $TiSi_2$, VSi_2, $TaSi_2$, $CrSi_2$, $MoSi_2$. They were comminuted (≤ 270 mesh) and acid-treated at 100 - 120°C for 2 hours. The insoluble residue was weighed and the content of dissolved metal in the solution was determined. The tabulated results of these tests

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Chemical properties and ... S/700/61/000/005/005/018
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(carried out also with $ZrSi_2$, $NbSi_2$ and WSi_2) show that all disili-
:des dissolve fast and completely in the HF + HNO_3 and H_2SO_4 +
• H_3PO_4 mixtures. To determine total Si the authors recommend alka-
line fusion, followed by acid extraction. To prevent the coprecipi-
tation of the oxides of Ti, Zr, Nb, Ta and W the authors introduced
a complex-forming agent which preserved the metals in an easily
soluble form. The $HClO_4$ method was used in the case of Ti. A satu-
rated solution of oxalic acid was introduced in the case of $NbSi_2$,
$TaSi_2$ and WSi_2, after the solutions in H_2SO_4 had been evaporated
to a concentration, at which SO_3 fumes appeared. Citric acid was
used as complex former in the case of $ZrSi_2$, to ascertain the ap-
licability of the colorimetric determination (as yellow silico-
molybdic heteropolyacid) of free Si when dissolved in 1% NaOH.
It was found that this method can be used for deter-

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mining free Si in the disilicides of Ti, Zr, Ta, Cr, V, Mo, Th, Fe and Mn and the suggested procedure is given. It is recommended determining metals in silicides after Si has been eliminated as SiF_4 by treating the silicide with a HF + HNO_3 mixture in a Pt dish. The authors developed a method of Co determination. After the silicide has been dissolved in the HF + HNO_3 mixture in a weighed Pt dish and after addition of H_2SO_4. Si evolves as SiF_4; then the remainder of H_2SO_4 is removed in the muffle furnace at 450 - 475°C. the remaining $CoSO_4$ is weighed. There are 4 tables and 8 references: 7 Soviet-bloc and 1 non-Soviet-bloc.

ASSOCIATION: Institut metallokeramiki i spetsial'nykh splavov AN USSR (Institute of Powder Metallurgy and Special Alloys AS UkrSSR)

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RADZIKOVSKAYA, S.V.

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27335
S/021/61/000/002/012/013
D210/D303

AUTHORS: Radzikivs'ka, S.V., and Samsonov, H.V.

TITLE: Vacuo-thermic method of cerium and lanthanum monosulphide preparation

PERIODICAL: Akademiya nauk Ukrayins'koyi RSR. Dopovidi, no. 2, 1961, 209 - 212

TEXT: The subject of this investigation was to work out a method of rare earth metal monosulphide preparation, simpler than that normally used which is cumbersome and requires a complicated installation. The proposed method consists of a reaction in vacuum of a general type:

$$2Me_2S_3 + Me_2O_3 + 3C = 6MeS + 3CO.$$

Elaborating the method was carried out on Cerium and Lanthanum sulphides. The starting compounds Ce_2S_3 and La_2S_3 were obtained by

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Vacuo-thermic method of ...

action of dry H_2S on CeO_2 and La_2O_3 at 1000°C. It was assumed that the monosulphides formation proceeded in two stages:

$$Me_2O_3 + C \rightarrow Me + CO$$

$$Me_2S_3 + Me \rightarrow MeS$$

To elucidate this supposition the reaction of CeO_2 at 1000-1700°C with carbon was investigated. The obtained results showed that up to 1400°C the reaction proceeded very slowly, accelerating afterwards very markedly and at 1700°C the amount of reduced cerium reached almost the initially used cerium amount. [Abstractor's note: Last temperature is given in the article as 1000°C which is a mistake; the figure on which the reaction curves are drawn also is not clear: the beginning of the fast reaction is shown there at 1100°C]. The reaction of cerium monosulphide formation:

$$Ce_2S_3 + CeO_2 + 2C = 3CeS + 2CO$$

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Vacuo-thermic method of ...

was carried out in vacuum at 1000 - 1700°C; the reaction mixture was pressed into briquettes 8 x 10 mm and heated in a vacuum oven with a graphite heater under 10^{-1} - 10^{-2} mm pressure for an hour. The results obtained showed that at 1600-1700°C the amount of cerium and combined sulphur in the reaction produce approached the composition of the compound CeS, although oxygen was also present in it in the form of low valency cerium oxides and some carbon as well, the sum of O + C amounting to 3 - 4 %. To obtain CeS free from these impurities it was necessary to repeat the heating of the impure product with the addition of some more Ce_2S_3, the amount of Ce_2S_3 excess approximately equalling 70 %/b.w. of the invariably used Ce_2S_3. To determine the optimum of Ce_2S_3 excess the reaction product, of composition: $Ce_{gen.}$ — 82 %; $S_{comb.}$ — 15.0 %; free S — 0.1 %; C - 1.7 % and O (from difference) - 1.8 %, was reheated with 10-80 % of Ce_2S_3 (calculated on initially used). The results show that CeS with the least impurity amounts was formed by adding

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Vacuo-thermic method of ...

70 % Ce_2S_3 excess. This excess may be added during the first reaction which may then proceed in one step only; but it has been found that better results were obtained when, after one hour heating at 1650°C, the reaction product was ground and reheated. Investigating the applicability of the above method for preparing LaS, the authors found that Lanthanum monosulphide of stoichiometric composition was formed without any La_2S_3 excess. But twofold heating at 1650°C was needed in that case also, with an inter-grounding of the first obtained product. Both monosulphides are of golden-yellow color and their lattice indices were in agreement with data given in tabulating. There are 1 figure, 1 table and 3 references: 1 Soviet-bloc and 2 non-Soviet-bloc. The references to the English language publications read as follows: F. McTaggart, Austral. J. Chem., 2, 471, 1958. E. Eastman, L. Brewer, A. Bromley, P. Gilles, N. Lofgren, J. Amer. Chem. Soc. 72, 2248, 1958.

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27335
S/021/61/000/002/012/013
D210/D303

Vacuo-thermic method of ...

ASSOCIATION: Institut metalokeramiky yi spetssplaviv AN URSR (Institute of Powder Metallurgy and Special Alloys AS UkrSSR)

PRESENTED: by Member of AS UkrSSR, Yu.K. Delimars'kyyi

SUBMITTED: May 23, 1960

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

S/074/61/030/001/003/003
B013/B055

AUTHORS: Samsonov, G. V., Radzikovskaya, S. V.

TITLE: Chemistry of Sulfides of Rare-earth Elements and Actinides

PERIODICAL: Uspekhi khimii, 1961, Vol. 30, No. 1, pp. 60-91

TEXT: The present paper systematizes and generalizes the existing experimental data on sulfides of rare-earth elements and of actinides. The structure and properties of this class of compounds are dealt with in Refs. 1 to 17 (Figs. 1-3, Tables 1-5). The physicochemical properties of 76 sulfides and oxysulfides are listed in Table 6. Of the main preparation methods, the following are described briefly: 1) Direct reaction of metal and sulfur (Ref. 15), 2) Interaction between metal powder and hydrogen sulfide, 3) Action of hydrogen sulfide on metal oxides (Refs. 30, 51, and 52). 4) Thermit reduction, 5) Preparation of sulfides from hexasulfides (Refs. 24,78), 6) Interaction between metal salts and hydrogen sulfide (Refs. 53,54), 7) Thermal dissociation of higher sulfides yielding lower sulfides (Ref. 38). The preparation methods of oxysulfides are mentioned. The method described in Ref. 55 is suggested for preparing thiosulfates of

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the type $Me_2(S_2O_3)_3$, which are structurally related to oxysulfides but possess the properties of salts. Data on the following sulfides and oxysulfides are available: the only scandium sulfide described is Sc_2S_3 (Ref. 17), the yttrium sulfides and -oxysulfides described are YS, Y_5S_7, Y_2S_3, YS_2 and Y_2O_2S (Refs. 18-20, 22 and 56), lanthanum forms several sulfides, LaS, La_2S_4, La_2S_3, LaS_2 as well as La_2O_2S (Refs. 15, 18, 23-25, 29, 56, 57, and 76). The sulfides and oxysulfides of cerium, of which the following are known, have been investigated thoroughly owing to their promising possibilities of application: CeS, Ce_2S_4, Ce_2S_3 (α, β and γ modifications) and Ce_2O_2S (Refs. 2, 15, 18, 19, 22, 30-32, 51, 52, 54, 56, 58, 60 and 61) - (Figs. 4-7, Tables 7-9). Of praseodymium, neodymium and samarium, the sulfides of composition MeS, Me_3S_4, Me_2S_3 and the oxysulfides Me_2O_2S have been described (Ref[illegible] 27, 29, 56 and 62). The following europium sulfides were [illegible] EuS, Eu_3S_4, $EuS_{1.81}$ and the oxy

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sulfide Eu_2O_2S (Refs. 29 and 34). The gadolinium sulfides GdS, Gd_2S_3 (α and γ modifications), GdS_2 and Gd_2O_2S (Refs. 18,29 and 35) are known. The only sulfur compound of terbium described is the oxysulfide Tb_2O_2S (Ref. 29). Dysprosium was found to form the sulfides Dy_5S_7, Dy_2S_3 (α, γ and δ modifications) DyS_2 and the oxysulfide Dy_2O_2S (Refs. 21,29 and 56). Holmium oxysulfide Ho_2O_2S (Ref. 29) was obtained in a similar manner as Gd_2O_2S. Like dysprosium, erbium forms sulfides of the type ErS, Er_5S_7, Er_2S_3 as well as Er_2O_2S (Refs. 18,21,29,35 and 56). Thulium oxysulfide Tu_2O_2S (Ref. 29) was obtained in a similar way as the other oxysulfides. The following sulfides and oxysulfides of ytterbium are known: $YbS_{1.14}$, $YbS_{1.33}$, $YbS_{1.48}$, Yb_2S_3 and Yb_2O_2S (Refs. 18,22,36 and 56). Lu_2O_2S (Ref. 29) is the only sulfur compound described of lutetium, and the only one known of actinium is Ac_2S_3 (Ref. 57). The sulfur compounds of thorium have been

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studied as thoroughly as those of cerium, i.e. ThS, Th_2S_3, Th_4S_7 (or Th_7S_{12}) and ThOS (Refs. 1,10,38,40-42 and 63-71) - (Fig. 8, Tables 10-13) The only sulfur compound known of protactinium is the oxysulfide PrOS (Ref. 43). The following sulfides and oxysulfides of uranium are known: US, U_2S_3, U_3S_5, US_2 (α, β and γ modifications) UOS_2 and UOS (Refs. 32,42, 45-48, 72 and 73). Of neptunium, the sulfide Np_2S_3 and the oxysulfide NpOS have been described (Refs. 1 and 49), and of plutonium, the sulfides PuS, Pu_2S_3, Pu_3S_4, and the oxysulfide Pu_2O_2S (Ref. 50). Similarly to plutonium, americium forms Am_2S_3 and AmSO (Ref. 75). Though most of the sulfides of the rare-earth elements and actinides have not yet been investigated thoroughly, it is possible to predict their practical applications. Foremost, cerium- and thorium sulfides can be used for the production of refractory materials. Sulfides are also used in semiconductor engineering, as catalysts, thermoelectric generators, high-resistance volumetric resistors, and for the preparation of antifriction materials and solid lubricants. Ye. S. Makarov, V. V. Serebrennikov, and N. F. Zvereva

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Chemistry of Sulfides of Rare-earth Elements and Actinides

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are mentioned. There are 8 figures, 13 tables, and 78 references: 19 Soviet, 18 US, 1 Australian, 4 British, 26 French, 13 German, and 1 Italian

ASSOCIATION: In-t metallokeramiki i spetsial'nykh splavov AN USSR (Institute of Powder Metallurgy and Special Alloys AS UkrSSR)

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S/080/61/034/003/015/017
A057/A129

AUTHORS: Radzikovskaya, S. V., Samsonov, G. V.

TITLE: Vacuum-thermic method for the preparation of cerium and lanthanum monosulfides

PERIODICAL: Zhurnal prikladnoy khimii, v. 34, no. 3, 1961, 671 - 672

TEXT: A method for the production of monosulfides of rare-earth metals is described which allows for a large-scale production of these compounds used as components in refractory materials, in parts of radio- and electric engineering apparatus, as well as investigations of their physical and chemical properties. The method is based on the reaction $2Me_2S_3 + Me_2O_3 + 3C = 6MeS + 3CO$ carried out in vacuum and was tested by manufacturing cerium and lanthanum monosulfides. The sulfides Ce_2S_3 and La_2S_3 were obtained by a reaction of CeO_2 or La_2O_3 with dry hydrogen sulfide at 900 - 1,000°C. The reaction $Me_2O_3 + C = Me + CO$, $Me_2S_3 + Me = MeS$ was proved experimentally by the reduction of CeO_2 with carbon black at temperatures from 1,000 to 1,700°C. The results show that until 1,400°C reduction occurs rather slow; the rate rises sharply at higher temperatures attaining almost the maximum at 1,600°C. Simultaneously with cerium metal, apparently cerium oxy-

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carbides and instable carbides are formed which are also converted to cerium metal. The reaction $Ce_2S_3 + CeO_2 + 2C = 3CeS + 2CO$ was carried out in vacuum (10^{-1} - 10^{-2} torr) in the temperature range 1,000 - 1,700°C with briquetted (8 x 10 mm) samples, and a holding time at each temperature for 1 hr. The obtained reaction products contained still a considerable amount of oxides and oxysulfides, as well as free carbon (up to 1%). Thus the next experiments were carried out with additional amounts of 10 - 80% Ce_2S_3 (related to the weight of Ce_2S_3). The obtained results (see Table) demonstrate that cerium monosulfide with stoichiometric composition and lowest content of impurities is obtained with a 70% admixture of Ce_2S_3. The latter can be added immediately to the initial charge and the reaction can be carried out in one step. Nevertheless, a two-step heating with intermediate grinding of the product is more effective. Corresponding experiments with lanthanum demonstrated that no additional admixture is necessary in this reaction, but two-stage heating at 1,650°C with intermediate grinding of the product. Thus lanthanum monosulfide obtained contains La_{total} 81.2%, S_{bound} 18.6% and S_{free} 0.1%. Both monosulfides are of golden-yellowish color and their X-ray structure and lattice are similar to corresponding data in the Table. There is 1 table, 1 figure and 3 references: 1 Soviet-bloc and 2 non-Soviet-bloc. The references to the Eng-

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Vacuum-thermic method for the preparation of cerium and... A057/A129

lish-language publications read as follows: F. McTaggart, Austral, J. Chem., 11, 471 (1958); E Eastman, L. Brewer et al., J. Am. Chem. Soc., 72, 2248 (1950).

ASSOCIATION: Institut metallokeramiki i spetsial'nykh splavov AN USSR (Institute of Powder Metallurgy and Special Alloys of the AS UkrSSR)

SUBMITTED: June 16, 1960

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RADZIKOVSKAYA, S. V.

9

PHASE I BOOK EXPLOITATION SOV/6030

Samsonov, G. V., Corresponding Member, Academy of Sciences UkrSSR; A. T. Pilipenko, Doctor of Chemical Sciences, Professor; T. N. Nazarchuk, Candidate of Chemical Sciences; O. I. Popova, Candidate of Chemical Sciences; and T. Ya. Kosolapova, V. A. Obolonchik, G. Kh. Kotlyar, L. N. Kuchay, V. P. Kopylova, G. T. Kabannik, A. Kh. Klibus, K. D. Modylevskaya, and S. V. Radzikovskaya.

Analiz tugoplavkikh soyedineniy (Analysis of Refractory Compounds) Moscow, Metallurgizdat, 1962. 256 p. 3250 copies printed.

Ed.: Ye. A. Nikitina; Ed. of Publishing House: O. M. Kamayeva; Tech. Ed.: A. I. Karasev.

PURPOSE: This book is intended as a laboratory manual for personnel in plant laboratories of the machinery, chemical, and aircraft industries and scientific research institutes. It can also be used by chemistry students at universities and schools of higher education.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

COVERAGE: The book contains data from the literature and from laboratory research on the chemical and mechanical properties, crystalline structure, chemical analysis, production, and industrial and other applications of silicon carbide and other refractory compounds. Methods of determining the basic components of refractory compounds (carbon, boron, nitrogen, and silicon) are reviewed and detailed methods for the chemical analysis of all presently known refractory compounds given. The authors are associated with the Institut metallokeramiki i spetsial'nykh splavov, AN SSSR (Institute of Powder Metallurgy and Special Alloys, Academy of Sciences USSR). No personalities are mentioned. There are 327 references: 175 Soviet and the remainder mainly English and German.

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SUBJECT: Metals and Metallurgy

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

SAMSONOV, G.V.; RADZIKOVSKAYA, S.V.

Preparation of praseodymium and neodymium sulfides. Ukr.khim. zhur. 28 no.4:444-445 '62. (MIRA 15:8)

1. Institut metallokeramiki i spetsial'nykh splavov AN USSR.
(Praseodymium sulfide) (Neodymium sulfide)

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L 14313-65 EWT(m)/EWP(b) ESD(gs) JD/JG/MLK
ACCESSION NR: AT4047134 S/0000/64/000/000/0114/0117

AUTHOR: Radzikovskaya, S. V.; Yendrzheyevskaya, S. N.; Titkov, Yu. B.

TITLE: Synthesis and properties of sulfides and phosphides of some rare-earth and rare metals

SOURCE: AN UkrSSR. Institut problem materialovedeniya. Redkiye i redkozemel'ny*ye elementy* v tekhnike (Rare and rare-earth elements in engineering). Kiev, Naukova dumka, 1964, 114-117

TOPIC TAGS: rare metal sulfide, rare earth metal sulfide, rare metal phosphide, rare earth metal phosphide sulfide synthesis, phosphide synthesis

ABSTRACT: The sesquisulfides of lanthanum, cerium, praseodymium, and neodymium were obtained by sulfidizing the respective metal oxides with dry hydrogen sulfide at 1000—1100C for 2—3 hr. The sesquisulfides obtained had an almost stoichiometric composition. Reduction of a mixture of sesquisulfides and oxides with carbon in a vacuum at 1650—1700C produced monosulfides which contained 0.2—0.3% carbon.

Card 1/2

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L 14313-65
ACCESSION NR: AT4047134

Gallium and lanthanum phosphides were obtained by treatment of the respective oxides with phosphine at 900—950 and 1200—1300C, respectively.

ASSOCIATION: Institut problem materialovedeniya AN UkrSSR (Institute of Problmes of the Science of Materials, AN UkrSSR)

SUBMITTED: 08Jun64 ENCL: 00 SUB CODE: MM, GC

NO REF SOV: 008 OTHER: 000 ATD PRESS: 3136

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

L 54794-65 EWI(m)/EWP(t)/EWP(b) IJP(c) JD/JG

ACCESSION NR: AP5014313 UR/0073/65/031/006/0635/0636
546.661

AUTHOR: Radzikovskaya, S. V.

TITLE: Europium sulfides

SOURCE: Ukrainskiy khimicheskiy zhurnal, v. 31, no. 6, 1965, 635-636

TOPIC TAGS: europium compound, sulfide, powder metallurgy, rare earth element

ABSTRACT: In this work europium sulfides were produced by reacting europium oxide with hydrogen sulfide. The starting europium oxide was 99.0% pure. The oxide powder sample was heated in a tube furnace through which H_2S was continuously passed at a rate of ~0.1 l/min. The reaction products were subjected to chemical and x-ray analysis. The content of europium was determined by the conventional oxalate method. The sulfur was determined by sulfide combustion in an oxygen stream at 1200°C followed by alkalimetric analytical reaction. These experiments, in contrast to earlier studies with La, Cs, Pr, Nd, Sm and Gd, showed that the europium oxide reaction with hydrogen sulfide at 1000-1100°C produces EuS instead of Eu_2O_3. This monosulfide is a black powder which dissolves poorly in acids. X-ray diffraction

Card 1/2

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

L 54794-65

ACCESSION NR: AP5014313

analysis of structure and lattice constants gave values in close agreement with literature values. Orig. art. has: 2 tables.

ASSOCIATION: Institut problem materialovedeniya AN UkrSSR (Materials Research Institute, Academy of Sciences, UkrSSR)

SUBMITTED: 12Dec63 ENCL: 00 SUB CODE: MM, IC

NO REF SOV: 003 OTHER: 003

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

OBOLONCHIK, V.A.; RADZIKOVSKAYA, S.V.; BUKHANEVICH, V.F.

Studying niobium and tantalum sulfides. Porosh.met. 5 no.11:9-14 N '65. (MIRA 18:12)

1. Institut problem materialovedeniya AN UkrSSR. Submitted May 7, 1965.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

ACC NR: AP6017991 SOURCE CODE: UR/0425/66/019/003/0161/0166

AUTHOR: Oganesyan, V. Kh.; Bukhanevich, V. F.; Padzikovskaya, S. V.

ORG: Institute of Materials Science AN UkrSSR, Kiev (Institut problem materialovedeniya AN UkrSSR)

TITLE: Synthesis and the physicochemical properties of niobium sulfide

SOURCE: Armyanskiy khimicheskiy zhurnal, v. 19, no. 3, 1966, 161-166

TOPIC TAGS: niobium compound, niobium, sulfur compound, x ray analysis

ABSTRACT: Synthesis of niobium sulfide (Nb_2S_3) from metallic niobium and niobium oxide and the physicochemical properties of the $NbS_{1.6}$ product were investigated. It was found that the optimum conditions for converting metallic niobium or niobium oxide into $NbS_{1.6}$ are identical and consist of passing a H_2S stream over these materials at 1000°-1300°C for 2-4 hours. The content of the free sulfur in the niobium sulfide products varied within the 0.1-0.2% range. It was found that $NbS_{1.6}$ is stable toward boiling water and that it decomposes on treatment with concentrated sulfuric acid, concentrated or diluted nitric acid, and hydrogen peroxide.

Card 1/2

UDC: 546.221 + 546.882

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

L 36865-65
ACC NR: AP6017921

The $NbS_{1.6}$ was found to be stable toward oxygen up to 300°C, to oxidize above 300°C, and to oxidize to Nb_2O_3 within 10 minutes at 400°C. X-ray examination indicated that in $Nb_2S_{3.2}$-$Nb_2S_{3.59}$, the niobium sulfide has a rhombic lattice with the following parameters: a = 3.338 Å and c = 17.827 Å. Its density was 5.9 g/cm^3. Other properties of $NbS_{1.6}$ were to be: electrical conductivity at room temperature $5 \cdot 10^{-3}$ ohm·cm, thermal emf + 5.1 microvolts/degree, coefficient + $18.2 \cdot 10^{-4}$ cm^3/coulomb, and microhardness 40 kg/mm^2. Niobium sulfide was found to be a p-type semiconductor. Orig. art. has: 5 figures and 2 tables.

SUB CODE: 07,20/ SUBM DATE: 13Jan65/ ORIG REF: 005/ OTH REF: 003

Card 2/2

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

ACC NR: AP6009569 (N) SOURCE CODE: UR/0226/65/000/011/0009/0014

AUTHOR: Obolonchik, V. A.; Radzikovskaya, S. V.; Bukhanevich, V. F.

ORG: Institute for the Study of Materials, AN UkrSSR (Institut problem meterialovedeniya AN UkrSSR)

TITLE: Study of the sulfides of niobium and tantalum

SOURCE: Poroshkovaya metallurgiya, no. 11, 1965, 9-14

TOPIC TAGS: sulfide, hydrogen sulfide, niobium, tantalum, oxidation, crystal lattice structure

ABSTRACT: The interaction between Nb and Ta metal powders and H_2S was investigated with the aid of the setup shown in Fig. 1, in the presence of a hydrogen flow rate of 0.2 liter/min. Following purification to remove oxygen, a current of hydrogen is passed over molten sulfur in reactor 4 where it interacts with S vapors so as to form H_2S which then proceeds to quartz reactor 5 which contains a porcelain boat with the suspension of Nb or Ta. The resulting ($NbS_{1,6}$ at 1000-1300°C, TaS_2 at 1400°C) sulfide is then cooled in a H_2S current and analyzed for the content of metal and total and free sulfur. $NbS_{1,6}$ is a black-colored powder which does not decompose in air. Radiographic examination showed that the lattice parameters of $NbS_{1,6}$

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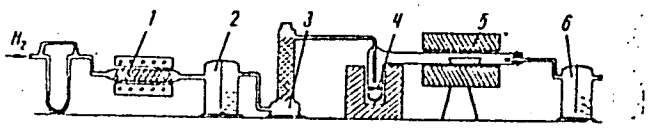

Fig. 1. Diagram of setup for sulfide synthesis

1 - heated tube with platinized asbestos; 2 - Tishchenko flask with conc. H_2SO_4; 3 - P_2O_5-filled column; 4 - reactor for H_2S synthesis; 5 - reactor for sulfide synthesis; 6 - Tishchenko flask with 15-20% NaOH (for absorption of excess H_2S)

are: a = 3.338 Å and c = 17.82 Å. Its pycnometric density, as determined in toluene, was 5.9 g/cm^3 against the calculated 6.0 g/cm^3. For TaS_2 the lattice parameters are: a = 3.37 Å and c = 5.89 Å and the pycnometric density, 7.10 g/cm^3 in toluene (against the calculated

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ACC NR: AP6009569

7.16 g/cm^3). TaS_2 is a black-colored powder with a greenish tinge, which also does not decompose in air. The resistance of both sulfides to various aggressive media (HCl, H_2SO_4, HNO_3, H_3PO_4, NaOH (40% and 10%), H_2O_2, H_2O, bromine water) on heating for 1 hr was investigated. Findings: $NbS_{1,6}$ and TaS_2 are completely resistant to boiling in water but totally decompose in solutions of oxidizing agents: conc. H_2SO_4, dil. HNO_3, and H_2O_2. In addition the oxidizability of $NbS_{1,6}$ and TaS_2 on heating in a current of O_2 (200 ml/min) was investigated as a function of time. It was found that both sulfides are resistant to O_2 at up to 300°C; beyond this temperature both sulfides begin to oxidize and release SO_2. $NbS_{1,6}$ gets completely oxidized at 400°C and TaS_2, at 500°C; the final products are Nb_2O_5 or Ta_2O_5 (depending on the sulfide concerned) and SO_2. Orig. art. has: 6 tables, 3 figures.

SUB CODE: 07, 20/ SUBM DATE: 07May65/ ORIG REF: 002/ OTH REF: 006

Card 3/3

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIKOVSKAYA, Ye.M.

Mixed cucumber-tomato juice. Kons. i ov. prom. 17 no.8: 40-41 Ag '62. (MIRA 17:1)

1. Nauchno-issledovatel'skiy institut melkoy promyshlennosti i remesla, Varshava.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIKOVSKIY, A.Ya.

Struggling for technological progress. Shvein.prom. no.3:
14-19 My-Je '62. (MIRA 15:6)
(Tashkent--Clothing industry)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIKOVSKIY, I. P.

USSR/Cultivated Plants. Fruits. Berries. V

Abs Jour: Ref Zhur - Biol., No 8, 1958, No 34622

Author : Radzikovskiy I. P.
Inst : Kubanskiy Agricultural Institute
Title : Effect of Optimum Pollinator Varieties on the Standard Variety Komsomolka.

Orig Pub: Sb. stud. nauch. rabot. Kubansk. s. kh. in-t, 1956 (1957), vyp. I, 63-65

Abstract: At the training farm of the Kubanskiy Agricultural Institute, the peculiarities of pollination of the variety Komsomolka have been studied; the flowers of this variety have no stamen; 8 varieties have been tested as pollinators. The variety Rannya (Early) Kosvira contributed to the crop increase of the variety Komsomolka by 1 1/2 times as compared with varieties Kul'ver and Mazuren. High yield was obtained by pollination of the flowers of Komsomolka with the pollen of the variety Pionerka. -- Shashkina.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

JUSOWA, Karolina; KUBERSKI, Zdzislaw; MARGOLISOWA, Anna; RADZIKOWSKA, Halina

Electroencephalographic and neurological evaluation of results of the treatment of tuberculous meningitis and encephalitis in children. Neur. &c. polska 6 no.2:143-169 Mar-Apr 56.

1. Z Kliniki Chorob Nerwowych A.M. w Lodzi Kierownik: prof. dr. E. Herman, i z Sanatorium Dziecicego w Lagiewnikach, Kierownik: dr. A. Margolisowa.

(TUBERCULOSIS, MENINGEAL, in infant and child, ther., EEC results (Pol))

(ELECTROENCEPHALOGRAPHY, in various diseases, tuberc., meningeal, evaluation of ther. results in child. (Pol))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

GANCZARSKI, A.; SROCZYNSKI, K.; BROZIK, H.; GOLDSTEIN, L.; KOWALSKA, D.; LIPINSKA, I.; MIKUCKI, J.; NAREBSKA, E.; RADZIKOWSKA, H.

Effect of Bacillus subtilis on the course of infant diarrhea and intestinal flora. Pediat pol 36 no.2:117-128 F '61.

1. Z I Kliniki Chorob Dzieci A.M. w Lodzi Kierownik Kliniki: doc. dr med. K. Sroczynski Kierownik Katedry A.M. i W.A.M. w Lodzi: prof. dr med. Fr. Redlich i z Zakladu Bakteriologii A.M. i W.A.M. w Lodzi Kierownik: zastepca prof. dr med. A. Ganczarski.

(DIARRHEA in inf & child) (BACILLUS SUBTILIS infect)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIKOWSKA-ORLOWSKA, H.; HEWELKE-GRABOWSKA, J.

Case of acute appendicitis in measles. Pediat. polska 31 no. 7:809-811 July 56.

1. Z I Kliniki Chorob Dzieci A.M. w Lodzi Kierownik: doc. dr. med. E. Wilkoszewski i z Kliniki Chirurgii Dziecicej A.M. w Lodzi Kierownik: Prof. dr. Med. A. Maciejewski, Lodz, Armii Czerwonej 15.

(MEASLES, complications,
appendicitis (Pol))
(APPENDICITIS, complications,
measles (Pol))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADLINSKI, A.

Does the Janert system solve the problem of the mechanization of drainage jobs? p. 432. (Gospodarka Wodna, Vol. 16, No. 10, Oct 1956, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIKOWSKI, A.

"Progress in modern inland navigation."

p. 559 (Gospodarka Wodna, Vol. 17, no. 12, Dec. 1957
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIKOWSKI, A.

The influence of mine deteriorations on canal harbors. p. 3

ARCHIWUM HYROTECHNIKI. (POLSKA AKADEMIA NAUK. INSTYTUT BUDOWNICTWA WODNEGO) Warszawa, Poland. Vol. 5, 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 8 August 1959.

Uncl.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

JASIEWICZ, Romuald, dr inz.; RADZIKOWSKI, Adam, doc. dr inz.; MANTHEY, Tadeusz, dr inz.; PIETKA, Zenon, dr inz.; KAJETANOWICZ, Zbigniew, prof. dr inz.; MAJEWSKI, Wojciech, mgr inz.; KORDAS, Boleslaw, mgr inz.; JACENKOW, Boleslaw, mgr inz.; ZMIGRODZKI, Zbigniew, prof. dr inz.; MIKUCKI, Zygmunt, doc. dr inz.; SOBIERAJ, Jerzy, mgr inz.

Discussion on papers and communications. Rozpr hydrotechn no.12: 49-64 '62.

1. Technical University, Warsaw (for Jasiewicz, Zmigrodzki, Mikucki). 2. Technical University, Szczecin (for Radzikowski). 2. Research Institute of Hydraulic Engineering, Polish Academy of Sciences, Gdansk (for Manthey, Majewski, Jacenkow, Sobieraj). 4. State Hydrological and Meteorological Institute, Warsaw (for Pietka). 5. Technical University, Krakow (for Kajetanowicz, Kordas).

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

KISIEL, Igor, prof. dr inz.; RADZIKOWSKI, Adam doc. dr inz. NAJDER, Janusz, mgr inz.; HAUPTMANN, Janusz mgr inz.

Discussions on papers and communications. Rozpr hydrotechn no.12:155-160 '62.

1. Technical University, Wroclaw (for Kisiel). 2. Technical University, Szczecin (for Radzikowski). 3. Research Institute of Hydraulic Engineering, Polish Academy of Sciences, Gdansk (for Najder). 4. Biuro Projektow Budownictwa Morskiego, Gdansk (for Hauptmann).

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

MOSSAKOWSKI, Miroslaw; RADZIKOWSKI, Czeslaw.

Case of brachialgia in malignant metastases from the cervix uteri.
Polski tygod.lek. 10 no.45:1473-1474 7 Nov 55.

1. Z Kliniki Chorob Nerwowych; dyrektor: prof. dr. Majewska Zafia i z Zakladu Anatomii Patologicznej Akademii Medycznej w Gdansku; dyrektor: prof. dr. Czarnocki. Zakl. Anat. Patolog. A.M. w Gdansku
(NERVES, BRACHIAL PLEXUS, diseases,
compression by metastases from cervix uteri)
(CERVIX, UTERINE, neoplasms,
causing compression of brachial plexus)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIKOWSKI, CZ.

Biological activity of 1,3-benzoxazine derivatives, particularly against experimental sarcoma. T. Urbański, Cz. Radzikowski, Z. Leśćchowski, and W. Czarnocki (Inst. Technol. Warsaw). *Nature* 178, 1351-2(1956).—Groups of 18–22-g. mice grafted with Crocker sarcoma were injected daily subcutaneously the day after inoculation with 10 therapeutic doses of 1,3-benzoxazine derivs. (compd., lethal and therapeutic doses (mg.) for mice given): 3-benzyl-6-bromo-1,3,2-benzoxazine (I), 30, 5.0; 3-cyclohexyl-6-methyl-1,3,2-benzoxazine (II), 5, 0.2; 2-methyl-1-naphth[1,2-e]-m-oxazine (III), 10, 1.2, the animals sacrificed after 14 days, the tumors exand. histologically, and their wts. detd. Tabulation of ratios of the tumor wts. from exptl. and control mice show that II and particularly III inhibit growth of exptl. sarcoma tumor. The relatively high toxicity of these derivs. prepd. according to Burke (*C.A.* 49, 9201*e*) is emphasized.

C. R. Addinall

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

JUNGOWSKA, Anna; RADZIKOWSKI, Czeslaw

Bronchiolar cancer (bronchiolar carcinoma, alveolar cell carcinoma, adenomatosis pulmoun) unusual primary tumor of the lung according to the survey of the liver and report of a case. Pat. polska 7 no. 1:49-64 Jan-Mar 56.

1. Z Zakladu Radiologii A.M. w Gdansku.Dyrektor: prof. dr. W. Grabowski. Z Zakladu Anatomii Patol. A. M. w Gdansku. Dyrektor: prof dr. W. Czarnocki Gdansk, Akademia Medyczna.
(LUNGS, neoplasms,
carcinoma, alveolar cell. (Pol))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

MIRECKI, Ludwik; ZELAWSKA, Barbara; RADZIKOWSKI, Czeslaw

Acute hepatic failure in circulatory insufficiency. Polskie arch. med. wewn. 26 no.6:957-963 1956.

1. Z III Kliniki Chorob Wewn. A.M. w Gdansku, Kier. prof. dr. med. J. Penson i z Zakladu Anatomii Patalog. A.M. Kier.:prof. dr. nauk. med. W. Czarnocki, Gdansk, ul. Sluza 9/10. III Klinika Chorob Wewn.

(RHEUMATIC HEART DISEASE, complications,
liver cirrhosis (Pol))
(LIVER CIRRHOSIS, complications,
rheum. heart failure (Pol))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

POLAND/Organic Chemistry. Synthetic Organic Chemistry G

Abs Jour: Ref Zhur - Khim., No. 4, 1959, 11850

Author : Ledochowski A., Ledochowski Z., Radzikowski Cz.

Inst : Not given.

Title : The Search for Anticancerous Compounds.

Orig Pub: Roczn. chem., 1958, 32, No. 3, 688-689

Abstract: There were synthesized and tested for biological activity 9-R-acidines, where R=$NHN(CH_3)_2$, n-$NHC_6H_4N(CH_3)_2$ or $NH(CH_2)_nN(CH_3)_2$ with n=2-5. Report I; see RzhKhim, 1958, 70876. -- D. Vitkovskiy

Card 1/1

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

LEDOCHOWSKI, Zygmunt; LEDOCHOWSKI, Andrzej; BOROWSKI, Edward; RADZIKOWSKI, Czeslaw; MORAWSKI, Bogdan; GAWLEL, Kazimierz; KOZLOWSKI, Edmund; JAKUBOWSKA, Lucja; GRABOWSKA, Krystyna; WYSOCKA, Barbara; KIRKMUNTER, Alojzy; WYPYCH, Henryk

Research on tumor-inhibiting compounds. III. Synthesis of some derivatives of 1-bromo-7-methoxy-9-aminoacridine. IV. Synthesis of some derivatives of 9-(4-dimethylaminobutylamino-)-acridine. Rocz chemii 34 no.1:53-70 '60. (EEAI 10:9)

1. Katedra Technologii Srodkow Leczniczych Politechniki, Gdansk, Pracownia Nr. 8. Zaklad Syntezy Organicznej Polskiej Akademii Nauk, Gdansk Katedra Anatomii Patologicznej Akademii Medycznej, Gdansk.

(Aminobromomethoxyacridine) (Tumors) (Aminoacridine) (Amino group) (Butyl group) Methyl group)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

LEDOCHIWSKI, Z.; LEDOCHOWSKI, A.; RADZIKOWSKI, C.

Research of tumor inhibiting compounds in the group of 9-aminoacridine derivatives. Bul chim PAN 9 no.4:179-182 '61.

1. Department of Technology of Drugs, Technical University, Gdansk, Laboratory Nr. 8 Department of Organic Synthesis, Polish Academy of Sciences and Department of Pathological Anatomy, School of Medicine, Gdansk. Presented by T. Urbanski.

(Tumors) (Amino alcohols) (Acridine)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

LEDOCHOWSKI, Andrzej; LEDOCHOWSKI, Zygmunt; RADZIKOWSKI, Czeslaw

Research of tumor inhibiting compounds. VIII. New derivatives of 1-bromo-7-methoxy-9-aminoacridine and some aspects of relation between structure and antitumor activity of some acridine derivatives. Rocz chemii 35 no.4:879-886 '61.

1. Department of Technology of Medicaments, Technical University, Gdansk and Department of Organic Synthesis, Polish Academy of Sciences, Laboratory No. 8, Gdansk. Department of Pathology, Medical Academy, Gdansk.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

LEDOCHOWSKI, Zygmunt; LEDOCHOWSKI, Andrzej; RADZIKOWSKI, Czeslaw; WYSOCKA-SKRZELA, Barbara; KONOPA, Jerzy; JURKIEWICZ, Zbigniew

Research of tumor inhibiting compounds. IX. The synthesis of N,N-dimethylaminobutylaminobenzacridines andxsome remarks on the relation between tumor inhibiting activity and structure of some acridine and quinoline derivatives and some semi-products for their synthesis. Rocz chemii 35 no.4:899-905 '61.

1. Department of Technology of Medicaments, Technical University, Gdansk, Department of Organic Synthesis, Polish Academy of Sciences, Laboratory No. 8, Gdansk and Department of Pathological Anatomy, Academy of Medicine, Gdansk.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIKOWSKI, Czeslaw; LEDOCHOWSKI, Zygmunt; LEDOCHOWSKI, Andrzej; RUPRECHT, Maria; HRABOWSKA, Mari

Searching for antineoplastic agents. II. Effect of 38 synthetic compounds from the group III-X on the growth of Crocker's sarcoma in mice. Biological section. Pat. polska 13 no.1:39-58 '62.

1. Z Zakladu Anatomii Patologicznej AM w Gdansku Kierownik: prof. dr med. W. Czarnocki Z Pracowni Nr 8 Zakladu Syntezy Organiznej PAN i Z Katedry Technologii Srodkow Leczniczych Politechniki Gdanskiej Kierownik: prof. dr Z. Ledochowski.
(ANTINEOPLASTIC AGENTS pharmacol) (SARCOMA exper)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

LEDOCHOWSKI, Andrzej; LEDOCHOWSKI, Zygmunt; RADZIKOWSKI, Czeslaw; WYSOCKA-SKRZELA, Barbara; KOZINSKA, Barbara; CZECHLOWSKA, Teresa; MICKIEWICZ, Olcha; PAC-POMARNACKA, Elzbieta

Research on tumor inhibiting compounds. XI. Rocz chemii 36 no.5:827-833 '62.

1. Department of Technology of Medicaments, Technical University, Gdansk, Laboratory No.8. Institute of Organic Synthesis, Polish Academy of Sciences, Gdansk, Department of Pathological Anatomy, Medical Academy, Gdansk.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

WALCZYNSKI, Zbigniew; RADZIKOWSKI, Czeslaw

A case of thrombosis of the umbilical, portal and splenic vein in a 22-day-old infant. Pediat. Pol. 37 no.1:89-94 Ja '62.

1. Z I Kliniki Chorob Dzieci AM w Gdansku Kierownik: prof. dr med. K. Erecinski i z Zakladu Anatomii Patologicznej AM w Gdansku Kierownik: prof. dr med. W. Czarnocki.

(THROMBOSIS in inf & child)
(INFANT NEWBORN dis)

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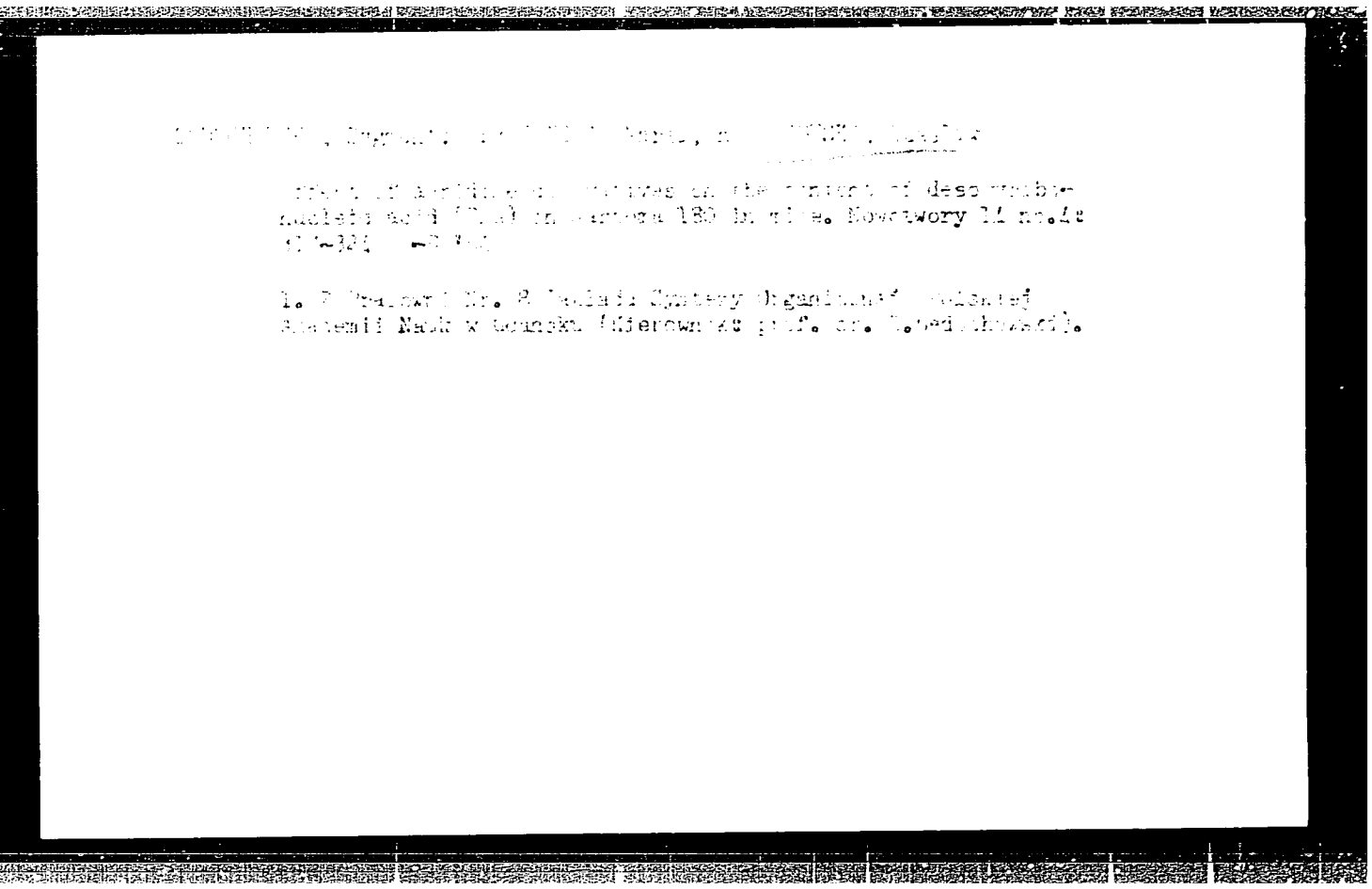

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

MIELESZYC, Stanislaw; RADZIKOWSKI, Czesław

A case of uremia caused by renal infiltration of lymphosarcoma. Pol. arch. med. wewnet. 34 no.12:1697-1700 '64.

1. Z II Kliniki Chorob Wewnetrznych Akademii Medycznej w Gdansku (Kierownik: prof. dr. med. J. Penson) i z Zakladu Anatomii Patologicznej Akademii Medycznej w Gdansku (p.o.Kierownika: doc. dr. med. E. Boj).

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POLAND / Organic Chemistry. Theoretical Organic Chemistry. G-1

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 1133.

Author : Hurwic, J., Radzikowski, J., Dabrowski, J.
Inst : Not given.
Title : The Investigation of a Tautomerism in β-amino-vinyl Acids by Measuring the Dielectric Constant of their Solutions.

Orig Pub: Roczn. chem., 1958, 32, No 1, 159-161.

Abstract: The tautomerism revealed previously (RZhKhim, 1955, 40057, 1957, 26610) by means of refractometric and spectroscopic measurements in β-aminovinyl ketones RCOCH = CHNHR' ⇄ RC(OH) = CHCH = NR'
1a R = C_2H_5, R' = H; b R = n - C_3H_7, R' = H; c R = R' - CH_3; d R = iso - C_4H_9, R' = CH_3) is

Card 1/2

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIKOWSKI, J.

On the uniqueness of the limit problem for the ultrahyperbolic equation. Bul Ac Pol mat 8 no.4:203-207 '60.

1. Warsaw University. Presented by T. Wazewski.

(Equations)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIKOWSKI, Wladyslaw

Linear programming of the production of articles with complex constructive and technological structure; the machinery industry as example. Przegl statyst 8 no.4:423-434 '61.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIKOWSKI, Z.

Distr: 4E2c

Metallic zinc from zinc concentrates. Zakłady Cynkowe "Wełnowiec" (by Z. Radzikowski, M. Prażmowski, and J. Morawski). Pol. 41,137, July 12, 1958. Finely ground peat coke is mixed with Zn-contg. materials. The mixt. is reduced and distd. at 950–1200°, and Zn vapors are condensed to metallic Zn in 89–91% yield. Peat coke is very suitable for the process because of the low content of ash (max. 10%), volatile substances (max. 10%), and S (traces). K. Bojanowska

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKA-CHLUBEK, Zofia, mgr.,inz.

Experiments with the application of Sveen glue. Przegl papier 18 no.3:89-90 Mr '62.

1. Szczecinskie Zaklady Celulozowo-Papiernicze, Szczecin.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, Aleksander

Removal of plastic foreign bodies from the bronchi, with an electrocauter. Otolar.polska 9 no.1:43-45 '55.

1. Z Kliniki Otolarungologicznej Akademii Medycznej w Lodzi. Kierownik: prof. dr a Radziminski.

(BRONCHI, foreign bodies
plastic, removal with electrocautery)
(FOREIGN BODIES
bronchi, plastic, removal with electrocautery)
(CAUTERY
electrocautery in removal of plastic foreign body from bronchi)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, A.; REDLICH, Fr.; GLOKSIN, W.

Apparatus for intubation in direct laryngoscopy. Otolar. polska 9 no.3:279-280 1955.

1. Z II Kliniki Chorob Dzieci A.M. w Lodzi. Kierownik: prof. dr. Fr. Redlich. Z Kliniki Otolaryngologicznej A.M. w Lodzi. Kierownik: prof. dr. A.Radziminski.
(LARYNGOSCOPY, apparatus and instruments, vor intubation in direct laryngoscopy)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, A; REDLICH, Fr; GLOKSIN, W. REDLICH, Fr., prof. dr.; Lodz, Armii Czerwonej 15.

Principles and technic of laryngoscopy for pediatric use. Pediat. polska 30 no.4:361-366 Apr '55.
(LARYNGOSCOPY, in pediatrics technic)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, Aleksander

Remote results following conservative surgery of the middle ear. Otolar. polska 10 no.3-4:271-278 1956.

1. Z Kliniki Otolaryngologicznej A.M. w Lodzi Kierownik: prof. dr. med. A. Radziminski, Lodz, Kopcinskiego 22.
(EAR, MIDDLE, surgery,
conservative, results (Pol))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, Aleksander; PRZYWNICKI, Stanislaw

Controlled hypotension in otolaryngological operations. Otolar. polska 11 no.1:7-15 1957.

1. Z Kliniki Otolaryngologicznej A. M. w Lodzi. Kierownik: prof. dr med. A Radzininski.

(HYPOTENSION, CONTROLLED
in otolaryngol. surg. (Pol))
(OTORHINOLARYNGOLOGICAL DISEASES, surg.
controlled hypotension in (Pol))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

STOPCZYK, J., Prof; RADZIMINSKI, A., Prof.

Bronchoscopic aspiration in the treatment of post-hemorrhagic atelectasis. Gurzlica 25 no.11:901-905 Nov 57.

1. Z Kliniki Ftzjatrycznej (for Stopczyk) i z Kliniki Otolaryngologicznej A. M. w Lodzi (for Radziminski).
(ATELECTASIS, ther.
bronchoscopy in post-hemorrh. atelectasis (Pol))
(BRONCHOSCOPY, in var. dis.
ther. of post-hemorrh. atelectasis (Pol))

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

EXCERPTA MEDICA Sec.11 Vol.10/11 Oto-Rhino-Laryngo Nov57

RADZIMINSKI A.

2178. RADZIMIŃSKI A. and KMITA S. I Klin. Chor. Dzieci i Otolaryngol. A. M., Lodz. *powikłania wewnątrzczaszkowe w przebiegu zapalenia ucha środkowego u niemowląt. Intracranial complications in the course of otitis media in infants PEDIAT. POL. 1957, 32/3 (237-244)

The authors presented a description of 3 cases of intracranial complications of aural origin in infants in the form of large abscesses of the brain diagnosed post

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mortem. On the basis of the cases under observation the authors came to the following conclusions: 1) Premature infants or those born in pathological labour ran a greater risk of intracranial complications in the course of otitis media than infants born in normal conditions. That is why the treatment should be carried out in clinical conditions. 2) The appearance of paresis of the facial nerve, nystagmus or meningeal symptoms may be the early sign of the changes in the brain tissue. 3) The changes in the brain tissue in infants often arise haematogenically in the course of otitis media of the septicaemia type which is favoured by the presence of the embryonal tissue in the middle ear in infants. (XI, 7, 8*)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, Aleksandr, prof.; POKSHIVNITSKI, Stanislav [Pokrzyvnicki, S.]

Controlled hypotension in otolaryngological operations. Vest.otorin. 21 no.5:15-21 S-O '59. (MIRA 13:1)

1. Iz otolaringologicheskoy kliniki (zav. - prof. A. Radziminski) Lodzinskogo meditsinskogo instituta.
(HYPOTENSION, CONTROLLED)
(OTORHINOLARYNGOLOGY, surgery)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, Aleksander

Unusual case of congenital anomaly of the nose. Otolar.polska 14 no.2:255-257 '60.

1. Z Kliniki Otolaryngologicznej A.M. w Lodzi, Kierownik: prof. dr med. A.Radziminski.
(NOSE abnorm)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKIY, Aleksandr [Radziminski, A.]; BARDAKH, Yanush [Bardach, Janusz]

Surgical treatment for congenital absence of the external auditory canal. Vest. otorin. no.4:66-72 '61. (MIRA 15:2)

1. Iz kliniki bolezney ukha, gorla i nosa (zav. - prof. A. Radziminskiy) i kliniki chelyustno-litsevoy khirurgii (zav. - dotsent Ya. Bardakh) Meditsinskoy akademii, Lodz', Pol'sha.

(EAR--ABNORMITIES AND DEFORMITIES)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, Aleksander; SIPA, Konrad; BRZEZINSKI, Euzebiusz

Use of trichloroethylene in bronchoscopy and certain laryngological procedures. Otolar polska 15 no.1:7-10 '61.

1. Z Kliniki Chorob Uszu, Nosa i Gardla AM w Lodzi. Kierownik: prof. dr med. A. Radziminski.

(TRICHLOROETHYLENE anest & analg)
(BRONCHOSCOPY anesth & analg)
(OTORHINOLARYNGOLOGY anest & analg)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, Aleksander; BARDACH, Janusz

Congenital absence of the external auditory duct and its surgical therapy. Otolar polska 15 no.2:147-158 '61.

1. Z Kliniki Otolaryngologicznej AM w Lodzi Kierownik: prof. dr med. A. Radziminski Z Kliniki Chirurgii Szczekowo-Twarzowej AM w Lodzi Kierownik: doc. dr J. Bardach
(EAR EXTERNAL abnorm)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, Aleksander

On surgical therapy of juvenile fibromas. Otolar polska 15 no.3: 297-306 '61.

1. Z Kliniki Otolaryngologicznej AM w Lodzi Kierownik: prof. dr med. A. Radziminski.

(OTORHINOLARYNGOLOGY neopl) (FIBROMA surg)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

HERMAN, Eufemiusz; RADZIMINSKI, Aleksander

Behavior of the inner ear during the course of some neuro-infections of viral origin. Otolaryng. Pol. 16 no.1.:119-124 '62.

1. Z Kliniki Otolaryngologicznej AM w Lodzi Kierownik: prof. dr med. A. Radziminski Z Kliniki Neurologicznej AM w Lodzi Kierownik: prof. dr med. E. Herman.
(LABYRINTH dis) (VIRUS DISEASES)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

BARDACH, Janusz; RADZIMINSKI, Aleksander

Plastic surgery of the auricle in microtia. Otolaryng. pol. 16 no.3: 479-487 '62.

1. Z Kliniki Chirurgii Szczekowo-Twarzowej AM w Lodzi Kierownik: doc. dr med. J. Bardach i Kliniki Otolaryngologicznej AM w Lodzi Kierownik: prof. dr med. A. Radziminski.
(EAR EXTERNAL DEFORMITY)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, Aleksander

Behavior of hearing after narcotics. Otolaryng. pol. 17 no.2: 143-146 '63.

1. Z Kliniki Otolaryngologicznej AM w Lodzi Kierownik: prof. dr med. A. Radziminski.
(MORPHINE) (EPHEDRINE) (SCOPOLAMINE)
(CODEINE) (PHARMACOLOGY) (HEARING)
(HEARING DISORDERS)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

BARDAKH, Janush [Bardach, Janusz]; RADZIMINSKI, Aleksandr [Radziminski, Aleksander]

Plastic surgery of the auricle of the ear in microtia. Vestn. otorinolaring. 25 no.3:20-23 '63 (MIRA 17:1)

1. Iz kliniki chelyustno-litsevoy khirurgii (zav. - dotsent Ya. Bardakh) i kliniki bolezney ukha, nosa i gorla (zav. - prof. A. Radziminski) Meditsinskoy akademii, Lodz', Pol'sha.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, Aleksander, prof. dr. med.: OKON, Janusz

2 Cases of Treacher-Collins syndrome. Otolaryng. Pol. 19 no.2: 259-261 '65.

1. Z Kliniki Laryngologicznej Akademii Medycznej w Lodzi (Kierownik: prof. dr. med. Radziminski).

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, Aleksander

Dermatoplasty in congenital lack of external acoustic meatus with existing aural concha. Otolaryng. Pol. 19 no.3:313-315 '65.

1. Z Kliniki Otolaryngologicznej AM w Lodzi (Kierownik: prof. dr. med. A. Radziminski).

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, Aleksander; OKON, Janusz

Results of surgical treatment of juvenile fibromas. Otolaryng. Pol. 19 no.3:317-323 '65.

1. Z Kliniki Otolaryngologicznej AM w Lodzi (Kierownik: prof. dr. med. A. Radziminski).

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

[illegible], [illegible].

Index of the utilization of time in the installation of the "Trud" type guides.
Biuleten. [illegible].
[illegible] (Institut Technikii Rudowlanei) Warszawa
Vol. 10, no. 12, sec. 1-5[illegible].

Jo. Nash Sovetskii Accessions List Vol. [illegible], No. 9 September 1[illegible]

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

[redacted], A.

"Execution of Research Work on Standards in Road Construction." p. 149, (DROGOWNICTWO, Vol. 9, No. 6, June 1954. Warszawa, Poland.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, Wlodzimierz, mgr.inz.

Methods of establishing standards for the consumption of fundamental road construction materials. Techn. drog. prace 3:9-103 '63.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

GIRENKO, L.; SOLOV'YEV, L.; RADZIMIRSKIY, K. N.

Outstanding scientist of the Ukrainian S.S.R., Professor IAkov Aleksandrovich Shvartsberg; 40 years of medical, scientific, pedagogical and social activity. Vest. oto-rin. 16 no.6:79-80 N-D '54. (MLRA 8:1)

1. Po poruchen'yu kollektiva kliniki bolezney ukha, gorla i nosa Kiyevskogo meditsinskogo instituta
(SHVARTSBERG, IAKOV ALEKSANDROVICH)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIMIRSKIY, Kazimir Nikolayevich, kandidat meditsinskikh nauk; ZARITSKIY, L.A., redaktor; LOKHMATYY, Ye.G., tekhnicheskiy redaktor

[Burns in the esophagus caused by caustic chemical substances and their treatment] Ozhogi pishchevoda edkimi khimicheskimi veshchestvami i ikh lechenie. Kiev, Gos. med. izd-vo USSR, 1956. 30 p.
(ESOPHAGUS--WOUNDS AND INJURIES) (MIRA 9:7)
(BURNS AND SCALDS)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIMIRSKIY, K.N., kandidat meditsinskikh nauk.

Universal nasal corrector. Vest. oto-rin. 16 no.5:69 S-O '54.
(MLRA 7:12)

1. Iz kafedry bolezney ukha, gorla i nosa (zav. zasluzhennyy deyatel' nauki prof. IA.A.Shvartsbert) Kyevskogo meditsinskogo instituta.

(NOSE, fractures,
ther., universal appar.)
(FRACTURES,
nose, ther., universal appar.)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIMIRSKIY, K.N., kand.med.nauk

Rare case of penetration of a foreign body from the right bronchus into the pleural cavity. Zhur. ush., nos. i gorl. bol. 20 no.6: 81-82 N-D '60. (MIRA 15:2)

1. Iz Otorinolaringologicheskogo otdeleniya 3-y gorodskoy bol'nitsy i otorinolaringologicheskoy kafedry (zav. - zasluzhennyy deyatel' nauki prof. Ya.A.Shvartsberg) Kiyevskogo meditsinskogo instituta.
(PNEUMONIA) (PLEURA--FOREIGN BODIES)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIMSKI, J.

A few remarks concerning the production of special cardboard vor pressed products, p. 17. (PRZEGLAD PAPIERNICZY, Lodz, Vol. 11, no. 1, Jan. 1955.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, Jun. 1955, Uncl.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIMOWSKI, Zdzislaw, [illegible]

Financial payments in Hungarian social insurance. Praca zabezp spol 3 no.8/9:48-52 '61.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIMOWSKI, Zdzislaw, mgr

Social security subject to discussions of an international seminar in Leningrad. Praca zabezp spol 7 no.1:17-20 Ja '65.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIMOVSKIY, D.A.

Phytoplankton of newly built fish ponds of the Ukrainian S.S.R. during the first year after they have been filled with water. Trudy Inst. gidrobiol.AN URSR no.32:48-66 '55. (MLRA 9:9)
(Ukraine--Phytoplankton) (Fish ponds)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIMOVSKIY, D.A. [Radzimovs'kyi, D.O.]

Two new species of blue-green algae from the artesian water pipes of Kiev. Mikrobiol.zhur. 20 no.3:18-23 '58 (MIRA 11:11)

1. Iz Instituta gidrobiologii AN USSSR.
(KIEV--ALGAE)
(WATER PIPES)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

KONENKO, Anna Dmitriyevna; PIDGAYKO, Mayya Leonidovna [Pidhaiko, M.L.]; RADZIMOVSKIY, Dmitriy Aleksandrovich [Radzymovs'kyi, D.A.]; YANKOVSKAYA, Z.B. [IAnkovs'ka, Z.B.], red. izd-va; MATVIICHUK, O.O., tekhn. red.

[Ponds of the Ukrainian Polesye; a hydrochemical and hydrobiological survey] Stavky Polissia Ukrainy; hidrokhimichnyi ta hidrobiologichnyi naris. Kyiv, Vyd-vo Akad. nauk URSR, 1961. 139 p. (MIRA 14:11)

(Polesye—Fish ponds)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

RADZIMOVSKIY, D.A.

Pond phytoplankton in southern districts of Nikolaev and Kherson Provinces in the Ukrainian S.S.R. Trudy Gidrobiol. ob-va 11:12-27 '61. (MIRA 15:1)

1. Institut gidrobiologii AN USSR, Kiyev.
(Nikolaev Province--Phytoplankton) (Kherson Province--Phytoplankton)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001344010003-5

KONONENKO, A.D.; PIDGAYKO, M.L.; RADZIMOVSKIY, D.A.

Materials on the ecologic characteristics of ponds of the wooded steppe belt in the Ukrainian S.S.R. Vop. ekol. 5:101-103 '62. (MIRA 16:6)

1. Institut gidrobiologii AN UkrSSR, Kiyev.
(Ukraine—Fishponds)

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83665

S/073/60/026/001/003/008
B016/B054

17.4311
15.2142 only 2308

AUTHORS: Samsonov, G. V. and Radzikovskaya, S. V.

TITLE: A Vacuum-thermal Method of Producing Cerium Monosulfide

PERIODICAL: Ukrainskiy khimicheskiy zhurnal, 1960, Vol. 26, No. 1, pp. 412-417

TEXT: The authors wanted to find simpler and more reliable methods of producing cerium monosulfide, and define more precisely the conditions for producing cerium sesquisulfide on the basis of methods described in Refs. 3 and 4. To produce Ce_2S_3, they studied the sulfidation of CeO_2 by dry H_2S between 600 and 1300°C. The method of producing the initial substances is described. Weighed samples of CeO_2 or of mixtures of CeO_2 and S or carbon black, were heated in a resistance furnace in a continuous H_2S current. The H_2S was previously dried with calcium chloride and phosphoric anhydride. The sulfidation products were also cooled in the H_2S current; the content of cerium, sulfide and free sulfur was

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subsequently determined. The methods of analysis are described. Table 1 and Fig. 1 show the results of direct sulfidation without the addition of reducing agents. The products obtained melt at higher temperatures (1400-1500°C). This is probably due to the formation of eutectic mixtures of various cerium sulfides, and to the reaction of sesquisulfide with the porcelain of the vessel. The data indicate that a sufficiently complete reduction of cerium oxide takes place at 900°C. A further increase in temperature does practically not influence the composition of the resulting product. The use of coal as a reducing agent offers no advantages as compared with direct sulfidation. Further, the authors investigated the presumable reactions of Ce_2S_3 with CeO_2 to study the production conditions of CeS from Ce_2S_3. Table 2 shows the results of chemical analyses of the products prepared in vacuo at 1200-1600°C. Hence, it appears that the reaction $2Ce_2S_3 + CeO_2$ does not proceed in the direction expected (with simultaneous formation of SO_2), but in the direction of the formation of a mixture of oxysulfides with Ce_2S_3. The reaction $Ce_2S_3 + CeO_2 + 3C$ [illegible] does not yield any products free from oxygen either. Besides [illegible]

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A Vacuum-thermal Method of Producing Cerium Monosulfide

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B016/B054

are contaminated by silicon. By means of the reaction (3) $Ce_2S_3 + CeO_2 + C = 3CeS + 2CO$ (Tables 3, 4, Fig. 2), a product was obtained whose content of bound Ce and S is close to that of the monosulfide; the product is, however, strongly contaminated by carbon and oxygen. Table 5 shows results of the purification of the product by the addition of Ce_2S_3 and by heating it again to 1650-1700°C. An addition of 70% of Ce_2S_3 is sufficient to obtain the purest products. There are 2 figures, 5 tables, and 6 references: 3 Soviet, 2 US, and 1 French.

ASSOCIATION: Institut metallokeramiki i spetsplavov AN USSR (Institute of Powder Metallurgy and Special Alloys of the AS UkrSSR)

SUBMITTED: January 5, 1950

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1

35053
S/700/61/000/006/008/018
D267/D304

15.2240

AUTHORS: Kosclapova, T. Ya., Kugay, L. N., Medylevskaya, K. D., Radzikovskaya, S. V. and Seraya, O. G.

TITLE: Chemical properties and methods of analyzing some silicides

SOURCE: Akademiya nauk Ukrainskoy SSR. Institut metallokeramiki i spetsial'nykh splavov. Seminar po zharostoykim materialam. Kiyev, 1960. Trudy no. 6: Khimicheskiye svoystva i metody analiza tugoplavkikh soyedineniy. Kiyev. Izdvo AS UkrSSR. 1961, 69-74

TEXT: The author investigated the behavior of silicides in different media. The following disilicides were synthesized and investigated: $TiSi_2$, VSi_2, $TaSi_2$, $CrSi_2$, $MoSi_2$. They were comminuted ($\leqslant$ 270 mesh) and acid-treated at 100 - 120°C for 2 hours. The insoluble residue was weighed and the content of dissolved metal in the solution was determined. The tabulated results of these tests

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Chemical properties and ... S/700/61/000/005/005/018
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(carried out also with $ZrSi_2$, $NbSi_2$ and WSi_2) show that all disili-
:des dissolve fast and completely in the HF + HNO_3 and H_2SO_4 +
• H_3PO_4 mixtures. To determine total Si the authors recommend alka-
line fusion, followed by acid extraction. To prevent the coprecipi-
tation of the oxides of Ti, Zr, Nb, Ta and W the authors introduced
a complex-forming agent which preserved the metals in an easily
soluble form. The $HClO_4$ method was used in the case of Ti. A satu-
rated solution of oxalic acid was introduced in the case of $NbSi_2$,
$TaSi_2$ and WSi_2, after the solutions in H_2SO_4 had been evaporated
to a concentration, at which SO_3 fumes appeared. Citric acid was
used as complex former in the case of $ZrSi_2$, to ascertain the ap-
licability of the colorimetric determination (as yellow silico-
molybdic heteropolyacid) of free Si when dissolved in 1% NaOH.
It was found that this method can be used for deter-

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mining free Si in the disilicides of Ti, Zr, Ta, Cr, V, Mo, Th, Fe and Mn and the suggested procedure is given. It is recommended determining metals in silicides after Si has been eliminated as SiF_4 by treating the silicide with a HF + HNO_3 mixture in a Pt dish. The authors developed a method of Co determination. After the silicide has been dissolved in the HF + HNO_3 mixture in a weighed Pt dish and after addition of H_2SO_4. Si evolves as SiF_4; then the remainder of H_2SO_4 is removed in the muffle furnace at 450 - 475°C. the remaining $CoSO_4$ is weighed. There are 4 tables and 8 references: 7 Soviet-bloc and 1 non-Soviet-bloc.

ASSOCIATION: Institut metallokeramiki i spetsial'nykh splavov AN USSR (Institute of Powder Metallurgy and Special Alloys AS UkrSSR)

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RADZIKOVSKAYA, S.V.

15.2400

27335
S/021/61/000/002/012/013
D210/D303

AUTHORS: Radzikivs'ka, S.V., and Samsonov, H.V.

TITLE: Vacuo-thermic method of cerium and lanthanum monosulphide preparation

PERIODICAL: Akademiya nauk Ukrayins'koyi RSR. Dopovidi, no. 2, 1961, 209 - 212

TEXT: The subject of this investigation was to work out a method of rare earth metal monosulphide preparation, simpler than that normally used which is cumbersome and requires a complicated installation. The proposed method consists of a reaction in vacuum of a general type:

$$2Me_2S_3 + Me_2O_3 + 3C = 6MeS + 3CO.$$

Elaborating the method was carried out on Cerium and Lanthanum sulphides. The starting compounds Ce_2S_3 and La_2S_3 were obtained by

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Vacuo-thermic method of ...

action of dry H_2S on CeO_2 and La_2O_3 at 1000°C. It was assumed that the monosulphides formation proceeded in two stages:

$$Me_2O_3 + C \rightarrow Me + CO$$

$$Me_2S_3 + Me \rightarrow MeS$$

To elucidate this supposition the reaction of CeO_2 at 1000-1700°C with carbon was investigated. The obtained results showed that up to 1400°C the reaction proceeded very slowly, accelerating afterwards very markedly and at 1700°C the amount of reduced cerium reached almost the initially used cerium amount. [Abstractor's note: Last temperature is given in the article as 1000°C which is a mistake; the figure on which the reaction curves are drawn also is not clear: the beginning of the fast reaction is shown there at 1100°C]. The reaction of cerium monosulphide formation:

$$Ce_2S_3 + CeO_2 + 2C = 3CeS + 2CO$$

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Vacuo-thermic method of ...

was carried out in vacuum at 1000 - 1700°C; the reaction mixture was pressed into briquettes 8 x 10 mm and heated in a vacuum oven with a graphite heater under 10^{-1} - 10^{-2} mm pressure for an hour. The results obtained showed that at 1600-1700°C the amount of cerium and combined sulphur in the reaction produce approached the composition of the compound CeS, although oxygen was also present in it in the form of low valency cerium oxides and some carbon as well, the sum of O + C amounting to 3 - 4 %. To obtain CeS free from these impurities it was necessary to repeat the heating of the impure product with the addition of some more Ce_2S_3, the amount of Ce_2S_3 excess approximately equalling 70 %/b.w. of the invariably used Ce_2S_3. To determine the optimum of Ce_2S_3 excess the reaction product, of composition: $Ce_{gen.}$ — 82 %; $S_{comb.}$ — 15.0 %; free S — 0.1 %; C - 1.7 % and O (from difference) - 1.8 %, was reheated with 10-80 % of Ce_2S_3 (calculated on initially used). The results show that CeS with the least impurity amounts was formed by adding

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Vacuo-thermic method of ...

70 % Ce_2S_3 excess. This excess may be added during the first reaction which may then proceed in one step only; but it has been found that better results were obtained when, after one hour heating at 1650°C, the reaction product was ground and reheated. Investigating the applicability of the above method for preparing LaS, the authors found that Lanthanum monosulphide of stoichiometric composition was formed without any La_2S_3 excess. But twofold heating at 1650°C was needed in that case also, with an inter-grounding of the first obtained product. Both monosulphides are of golden-yellow color and their lattice indices were in agreement with data given in tabulating. There are 1 figure, 1 table and 3 references: 1 Soviet-bloc and 2 non-Soviet-bloc. The references to the English language publications read as follows: F. McTaggart, Austral. J. Chem., 2, 471, 1958. E. Eastman, L. Brewer, A. Bromley, P. Gilles, N. Lofgren, J. Amer. Chem. Soc. 72, 2248, 1958.

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27335
S/021/61/000/002/012/013
D210/D303

Vacuo-thermic method of ...

ASSOCIATION: Institut metalokeramiky yi spetssplaviv AN URSR (Institute of Powder Metallurgy and Special Alloys AS UkrSSR)

PRESENTED: by Member of AS UkrSSR, Yu.K. Delimars'kyyi

SUBMITTED: May 23, 1960

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

S/074/61/030/001/003/003
B013/B055

AUTHORS: Samsonov, G. V., Radzikovskaya, S. V.

TITLE: Chemistry of Sulfides of Rare-earth Elements and Actinides

PERIODICAL: Uspekhi khimii, 1961, Vol. 30, No. 1, pp. 60-91

TEXT: The present paper systematizes and generalizes the existing experimental data on sulfides of rare-earth elements and of actinides. The structure and properties of this class of compounds are dealt with in Refs. 1 to 17 (Figs. 1-3, Tables 1-5). The physicochemical properties of 76 sulfides and oxysulfides are listed in Table 6. Of the main preparation methods, the following are described briefly: 1) Direct reaction of metal and sulfur (Ref. 15), 2) Interaction between metal powder and hydrogen sulfide, 3) Action of hydrogen sulfide on metal oxides (Refs. 30, 51, and 52). 4) Thermit reduction, 5) Preparation of sulfides from hexasulfides (Refs. 24,78), 6) Interaction between metal salts and hydrogen sulfide (Refs. 53,54), 7) Thermal dissociation of higher sulfides yielding lower sulfides (Ref. 38). The preparation methods of oxysulfides are mentioned. The method described in Ref. 55 is suggested for preparing thiosulfates of

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the type $Me_2(S_2O_3)_3$, which are structurally related to oxysulfides but possess the properties of salts. Data on the following sulfides and oxysulfides are available: the only scandium sulfide described is Sc_2S_3 (Ref. 17), the yttrium sulfides and -oxysulfides described are YS, Y_5S_7, Y_2S_3, YS_2 and Y_2O_2S (Refs. 18-20, 22 and 56), lanthanum forms several sulfides, LaS, La_2S_4, La_2S_3, LaS_2 as well as La_2O_2S (Refs. 15, 18, 23-25, 29, 56, 57, and 76). The sulfides and oxysulfides of cerium, of which the following are known, have been investigated thoroughly owing to their promising possibilities of application: CeS, Ce_2S_4, Ce_2S_3 (α, β and γ modifications) and Ce_2O_2S (Refs. 2, 15, 18, 19, 22, 30-32, 51, 52, 54, 56, 58, 60 and 61) - (Figs. 4-7, Tables 7-9). Of praseodymium, neodymium and samarium, the sulfides of composition MeS, Me_3S_4, Me_2S_3 and the oxysulfides Me_2O_2S have been described (Ref[illegible] 27, 29, 56 and 62). The following europium sulfides were [illegible] EuS, Eu_3S_4, $EuS_{1.81}$ and the oxy

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sulfide Eu_2O_2S (Refs. 29 and 34). The gadolinium sulfides GdS, Gd_2S_3 (α and γ modifications), GdS_2 and Gd_2O_2S (Refs. 18,29 and 35) are known. The only sulfur compound of terbium described is the oxysulfide Tb_2O_2S (Ref. 29). Dysprosium was found to form the sulfides Dy_5S_7, Dy_2S_3 (α, γ and δ modifications) DyS_2 and the oxysulfide Dy_2O_2S (Refs. 21,29 and 56). Holmium oxysulfide Ho_2O_2S (Ref. 29) was obtained in a similar manner as Gd_2O_2S. Like dysprosium, erbium forms sulfides of the type ErS, Er_5S_7, Er_2S_3 as well as Er_2O_2S (Refs. 18,21,29,35 and 56). Thulium oxysulfide Tu_2O_2S (Ref. 29) was obtained in a similar way as the other oxysulfides. The following sulfides and oxysulfides of ytterbium are known: $YbS_{1.14}$, $YbS_{1.33}$, $YbS_{1.48}$, Yb_2S_3 and Yb_2O_2S (Refs. 18,22,36 and 56). Lu_2O_2S (Ref. 29) is the only sulfur compound described of lutetium, and the only one known of actinium is Ac_2S_3 (Ref. 57). The sulfur compounds of thorium have been

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studied as thoroughly as those of cerium, i.e. ThS, Th_2S_3, Th_4S_7 (or Th_7S_{12}) and ThOS (Refs. 1,10,38,40-42 and 63-71) - (Fig. 8, Tables 10-13) The only sulfur compound known of protactinium is the oxysulfide PrOS (Ref. 43). The following sulfides and oxysulfides of uranium are known: US, U_2S_3, U_3S_5, US_2 (α, β and γ modifications) UOS_2 and UOS (Refs. 32,42, 45-48, 72 and 73). Of neptunium, the sulfide Np_2S_3 and the oxysulfide NpOS have been described (Refs. 1 and 49), and of plutonium, the sulfides PuS, Pu_2S_3, Pu_3S_4, and the oxysulfide Pu_2O_2S (Ref. 50). Similarly to plutonium, americium forms Am_2S_3 and AmSO (Ref. 75). Though most of the sulfides of the rare-earth elements and actinides have not yet been investigated thoroughly, it is possible to predict their practical applications. Foremost, cerium- and thorium sulfides can be used for the production of refractory materials. Sulfides are also used in semiconductor engineering, as catalysts, thermoelectric generators, high-resistance volumetric resistors, and for the preparation of antifriction materials and solid lubricants. Ye. S. Makarov, V. V. Serebrennikov, and N. F. Zvereva

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Chemistry of Sulfides of Rare-earth Elements and Actinides

S/074/61/030/001/003/003
B013/B055

are mentioned. There are 8 figures, 13 tables, and 78 references: 19 Soviet, 18 US, 1 Australian, 4 British, 26 French, 13 German, and 1 Italian

ASSOCIATION: In-t metallokeramiki i spetsial'nykh splavov AN USSR (Institute of Powder Metallurgy and Special Alloys AS UkrSSR)

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27073
S/080/61/034/003/015/017
A057/A129

AUTHORS: Radzikovskaya, S. V., Samsonov, G. V.

TITLE: Vacuum-thermic method for the preparation of cerium and lanthanum monosulfides

PERIODICAL: Zhurnal prikladnoy khimii, v. 34, no. 3, 1961, 671 - 672

TEXT: A method for the production of monosulfides of rare-earth metals is described which allows for a large-scale production of these compounds used as components in refractory materials, in parts of radio- and electric engineering apparatus, as well as investigations of their physical and chemical properties. The method is based on the reaction $2Me_2S_3 + Me_2O_3 + 3C = 6MeS + 3CO$ carried out in vacuum and was tested by manufacturing cerium and lanthanum monosulfides. The sulfides Ce_2S_3 and La_2S_3 were obtained by a reaction of CeO_2 or La_2O_3 with dry hydrogen sulfide at 900 - 1,000°C. The reaction $Me_2O_3 + C = Me + CO$, $Me_2S_3 + Me = MeS$ was proved experimentally by the reduction of CeO_2 with carbon black at temperatures from 1,000 to 1,700°C. The results show that until 1,400°C reduction occurs rather slow; the rate rises sharply at higher temperatures attaining almost the maximum at 1,600°C. Simultaneously with cerium metal, apparently cerium oxy-

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Vacuum-thermic method for the preparation of cerium and...A057/A129

carbides and instable carbides are formed which are also converted to cerium metal. The reaction $Ce_2S_3 + CeO_2 + 2C = 3CeS + 2CO$ was carried out in vacuum (10^{-1} - 10^{-2} torr) in the temperature range 1,000 - 1,700°C with briquetted (8 x 10 mm) samples, and a holding time at each temperature for 1 hr. The obtained reaction products contained still a considerable amount of oxides and oxysulfides, as well as free carbon (up to 1%). Thus the next experiments were carried out with additional amounts of 10 - 80% Ce_2S_3 (related to the weight of Ce_2S_3). The obtained results (see Table) demonstrate that cerium monosulfide with stoichiometric composition and lowest content of impurities is obtained with a 70% admixture of Ce_2S_3. The latter can be added immediately to the initial charge and the reaction can be carried out in one step. Nevertheless, a two-step heating with intermediate grinding of the product is more effective. Corresponding experiments with lanthanum demonstrated that no additional admixture is necessary in this reaction, but two-stage heating at 1,650°C with intermediate grinding of the product. Thus lanthanum monosulfide obtained contains La_{total} 81.2%, S_{bound} 18.6% and S_{free} 0.1%. Both monosulfides are of golden-yellowish color and their X-ray structure and lattice are similar to corresponding data in the Table. There is 1 table, 1 figure and 3 references: 1 Soviet-bloc and 2 non-Soviet-bloc. The references to the Eng-

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Vacuum-thermic method for the preparation of cerium and... A057/A129

lish-language publications read as follows: F. McTaggart, Austral, J. Chem., 11, 471 (1958); E Eastman, L. Brewer et al., J. Am. Chem. Soc., 72, 2248 (1950).

ASSOCIATION: Institut metallokeramiki i spetsial'nykh splavov AN USSR (Institute of Powder Metallurgy and Special Alloys of the AS UkrSSR)

SUBMITTED: June 16, 1960

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APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

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RADZIKOVSKAYA, S. V.

9

PHASE I BOOK EXPLOITATION SOV/6030

Samsonov, G. V., Corresponding Member, Academy of Sciences UkrSSR; A. T. Pilipenko, Doctor of Chemical Sciences, Professor; T. N. Nazarchuk, Candidate of Chemical Sciences; O. I. Popova, Candidate of Chemical Sciences; and T. Ya. Kosolapova, V. A. Obolonchik, G. Kh. Kotlyar, L. N. Kuchay, V. P. Kopylova, G. T. Kabannik, A. Kh. Klibus, K. D. Modylevskaya, and S. V. Radzikovskaya.

Analiz tugoplavkikh soyedineniy (Analysis of Refractory Compounds) Moscow, Metallurgizdat, 1962. 256 p. 3250 copies printed.

Ed.: Ye. A. Nikitina; Ed. of Publishing House: O. M. Kamayeva; Tech. Ed.: A. I. Karasev.

PURPOSE: This book is intended as a laboratory manual for personnel in plant laboratories of the machinery, chemical, and aircraft industries and scientific research institutes. It can also be used by chemistry students at universities and schools of higher education.

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

COVERAGE: The book contains data from the literature and from laboratory research on the chemical and mechanical properties, crystalline structure, chemical analysis, production, and industrial and other applications of silicon carbide and other refractory compounds. Methods of determining the basic components of refractory compounds (carbon, boron, nitrogen, and silicon) are reviewed and detailed methods for the chemical analysis of all presently known refractory compounds given. The authors are associated with the Institut metallokeramiki i spetsial'nykh splavov, AN SSSR (Institute of Powder Metallurgy and Special Alloys, Academy of Sciences USSR). No personalities are mentioned. There are 327 references: 175 Soviet and the remainder mainly English and German.

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

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AVAILABLE: Library of Congress

SUBJECT: Metals and Metallurgy

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BN/pw/bmc
10-30-62

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

SAMSONOV, G.V.; RADZIKOVSKAYA, S.V.

Preparation of praseodymium and neodymium sulfides. Ukr.khim. zhur. 28 no.4:444-445 '62. (MIRA 15:8)

1. Institut metallokeramiki i spetsial'nykh splavov AN USSR.
(Praseodymium sulfide) (Neodymium sulfide)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

L 14313-65 EWT(m)/EWP(b) ESD(gs) JD/JG/MLK
ACCESSION NR: AT4047134 S/0000/64/000/000/0114/0117

AUTHOR: Radzikovskaya, S. V.; Yendrzheyevskaya, S. N.; Titkov, Yu. B.

TITLE: Synthesis and properties of sulfides and phosphides of some rare-earth and rare metals

SOURCE: AN UkrSSR. Institut problem materialovedeniya. Redkiye i redkozemel'ny*ye elementy* v tekhnike (Rare and rare-earth elements in engineering). Kiev, Naukova dumka, 1964, 114-117

TOPIC TAGS: rare metal sulfide, rare earth metal sulfide, rare metal phosphide, rare earth metal phosphide sulfide synthesis, phosphide synthesis

ABSTRACT: The sesquisulfides of lanthanum, cerium, praseodymium, and neodymium were obtained by sulfidizing the respective metal oxides with dry hydrogen sulfide at 1000—1100C for 2—3 hr. The sesquisulfides obtained had an almost stoichiometric composition. Reduction of a mixture of sesquisulfides and oxides with carbon in a vacuum at 1650—1700C produced monosulfides which contained 0.2—0.3% carbon.

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

L 14313-65
ACCESSION NR: AT4047134

Gallium and lanthanum phosphides were obtained by treatment of the respective oxides with phosphine at 900—950 and 1200—1300C, respectively.

ASSOCIATION: Institut problem materialovedeniya AN UkrSSR (Institute of Problmes of the Science of Materials, AN UkrSSR)

SUBMITTED: 08Jun64 ENCL: 00 SUB CODE: MM, GC

NO REF SOV: 008 OTHER: 000 ATD PRESS: 3136

Card 2/2

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

L 54794-65 EWI(m)/EWP(t)/EWP(b) IJP(c) JD/JG
ACCESSION NR: AP5014313 UR/0073/65/031/006/0635/0636
546.661

AUTHOR: Radzikovskaya, S. V.

TITLE: Europium sulfides

SOURCE: Ukrainskiy khimicheskiy zhurnal, v. 31, no. 6, 1965, 635-636

TOPIC TAGS: europium compound, sulfide, powder metallurgy, rare earth element

ABSTRACT: In this work europium sulfides were produced by reacting europium oxide with hydrogen sulfide. The starting europium oxide was 99.0% pure. The oxide powder sample was heated in a tube furnace through which H_2S was continuously passed at a rate of ~0.1 l/min. The reaction products were subjected to chemical and x-ray analysis. The content of europium was determined by the conventional oxalate method. The sulfur was determined by sulfide combustion in an oxygen stream at 1200°C followed by alkalimetric analytical reaction. These experiments, in contrast to earlier studies with La, Cs, Pr, Nd, Sm and Gd, showed that the europium oxide reaction with hydrogen sulfide at 1000-1100°C produces EuS instead of Eu_2O_3. This monosulfide is a black powder which dissolves poorly in acids. X-ray diffraction

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

L 54794-65

ACCESSION NR: AP5014313

analysis of structure and lattice constants gave values in close agreement with literature values. Orig. art. has: 2 tables.

ASSOCIATION: Institut problem materialovedeniya AN UkrSSR (Materials Research Institute, Academy of Sciences, UkrSSR)

SUBMITTED: 12Dec63 ENCL: 00 SUB CODE: MM, IC

NO REF SOV: 003 OTHER: 003

Card 2/2

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

OBOLONCHIK, V.A.; RADZIKOVSKAYA, S.V.; BUKHANEVICH, V.F.

Studying niobium and tantalum sulfides. Porosh.met. 5 no.11:9-14 N '65. (MIRA 18:12)

1. Institut problem materialovedeniya AN UkrSSR. Submitted May 7, 1965.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

ACC NR: AP6017991 SOURCE CODE: UR/0425/66/019/003/0161/0166

AUTHOR: Oganesyan, V. Kh.; Bukhanevich, V. F.; Padzikovskaya, S. V.

ORG: Institute of Materials Science AN UkrSSR, Kiev (Institut problem materialovedeniya AN UkrSSR)

TITLE: Synthesis and the physicochemical properties of niobium sulfide

SOURCE: Armyanskiy khimicheskiy zhurnal, v. 19, no. 3, 1966, 161-166

TOPIC TAGS: niobium compound, niobium, sulfur compound, x ray analysis

ABSTRACT: Synthesis of niobium sulfide (Nb_2S_3) from metallic niobium and niobium oxide and the physicochemical properties of the $NbS_{1.6}$ product were investigated. It was found that the optimum conditions for converting metallic niobium or niobium oxide into $NbS_{1.6}$ are identical and consist of passing a H_2S stream over these materials at 1000°-1300°C for 2-4 hours. The content of the free sulfur in the niobium sulfide products varied within the 0.1-0.2% range. It was found that $NbS_{1.6}$ is stable toward boiling water and that it decomposes on treatment with concentrated sulfuric acid, concentrated or diluted nitric acid, and hydrogen peroxide.

Card 1/2

UDC: 546.221 + 546.882

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

L 36865-65
ACC NR: AP6017921

The $NbS_{1.6}$ was found to be stable toward oxygen up to 300°C, to oxidize above 300°C, and to oxidize to Nb_2O_3 within 10 minutes at 400°C. X-ray examination indicated that in $Nb_2S_{3.2}$-$Nb_2S_{3.59}$, the niobium sulfide has a rhombic lattice with the following parameters: a = 3.338 Å and c = 17.827 Å. Its density was 5.9 g/cm^3. Other properties of $NbS_{1.6}$ were to be: electrical conductivity at room temperature $5 \cdot 10^{-3}$ ohm·cm, thermal emf + 5.1 microvolts/degree, coefficient + $18.2 \cdot 10^{-4}$ cm^3/coulomb, and microhardness 40 kg/mm^2. Niobium sulfide was found to be a p-type semiconductor. Orig. art. has: 5 figures and 2 tables.

SUB CODE: 07,20/ SUBM DATE: 13Jan65/ ORIG REF: 005/ OTH REF: 003

Card 2/2

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

ACC NR: AP6009569 (N) SOURCE CODE: UR/0226/65/000/011/0009/0014

AUTHOR: Obolonchik, V. A.; Radzikovskaya, S. V.; Bukhanevich, V. F.

ORG: Institute for the Study of Materials, AN UkrSSR (Institut problem meterialovedeniya AN UkrSSR)

TITLE: Study of the sulfides of niobium and tantalum

SOURCE: Poroshkovaya metallurgiya, no. 11, 1965, 9-14

TOPIC TAGS: sulfide, hydrogen sulfide, niobium, tantalum, oxidation, crystal lattice structure

ABSTRACT: The interaction between Nb and Ta metal powders and H_2S was investigated with the aid of the setup shown in Fig. 1, in the presence of a hydrogen flow rate of 0.2 liter/min. Following purification to remove oxygen, a current of hydrogen is passed over molten sulfur in reactor 4 where it interacts with S vapors so as to form H_2S which then proceeds to quartz reactor 5 which contains a porcelain boat with the suspension of Nb or Ta. The resulting ($NbS_{1,6}$ at 1000-1300°C, TaS_2 at 1400°C) sulfide is then cooled in a H_2S current and analyzed for the content of metal and total and free sulfur. $NbS_{1,6}$ is a black-colored powder which does not decompose in air. Radiographic examination showed that the lattice parameters of $NbS_{1,6}$

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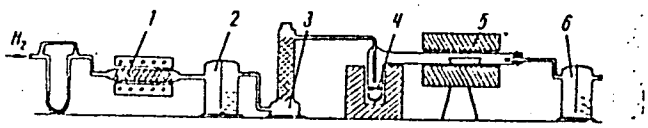

Fig. 1. Diagram of setup for sulfide synthesis

1 - heated tube with platinized asbestos; 2 - Tishchenko flask with conc. H_2SO_4; 3 - P_2O_5-filled column; 4 - reactor for H_2S synthesis; 5 - reactor for sulfide synthesis; 6 - Tishchenko flask with 15-20% NaOH (for absorption of excess H_2S)

are: a = 3.338 Å and c = 17.82 Å. Its pycnometric density, as determined in toluene, was 5.9 g/cm^3 against the calculated 6.0 g/cm^3. For TaS_2 the lattice parameters are: a = 3.37 Å and c = 5.89 Å and the pycnometric density, 7.10 g/cm^3 in toluene (against the calculated

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ACC NR: AP6009569

7.16 g/cm^3). TaS_2 is a black-colored powder with a greenish tinge, which also does not decompose in air. The resistance of both sulfides to various aggressive media (HCl, H_2SO_4, HNO_3, H_3PO_4, NaOH (40% and 10%), H_2O_2, H_2O, bromine water) on heating for 1 hr was investigated. Findings: $NbS_{1,6}$ and TaS_2 are completely resistant to boiling in water but totally decompose in solutions of oxidizing agents: conc. H_2SO_4, dil. HNO_3, and H_2O_2. In addition the oxidizability of $NbS_{1,6}$ and TaS_2 on heating in a current of O_2 (200 ml/min) was investigated as a function of time. It was found that both sulfides are resistant to O_2 at up to 300°C; beyond this temperature both sulfides begin to oxidize and release SO_2. $NbS_{1,6}$ gets completely oxidized at 400°C and TaS_2, at 500°C; the final products are Nb_2O_5 or Ta_2O_5 (depending on the sulfide concerned) and SO_2. Orig. art. has: 6 tables, 3 figures.

SUB CODE: 07, 20/ SUBM DATE: 07May65/ ORIG REF: 002/ OTH REF: 006

Card 3/3

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIKOVSKAYA, Ye.M.

Mixed cucumber-tomato juice. Kons. i ov. prom. 17 no.8: 40-41 Ag '62. (MIRA 17:1)

1. Nauchno-issledovatel'skiy institut melkoy promyshlennosti i remesla, Varshava.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIKOVSKIY, A.Ya.

Struggling for technological progress. Shvein.prom. no.3: 14-19 My-Je '62. (MIRA 15:6)
(Tashkent--Clothing industry)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIKOVSKIY, I. P.

USSR/Cultivated Plants. Fruits. Berries. Y

Abs Jour: Ref Zhur - Biol., No 8, 1958, No 34622

Author : Radzikovskiy I. P.
Inst : Kubanskiy Agricultural Institute
Title : Effect of Optimum Pollinator Varieties on the Standard Variety Komsomolka.

Orig Pub: Sb. stud. nauch. rabot. Kubansk. s. kh. in-t, 1956 (1957), vyp. I, 63-65

Abstract: At the training farm of the Kubanskiy Agricultural Institute, the peculiarities of pollination of the variety Komsomolka have been studied; the flowers of this variety have no stamen; 8 varieties have been tested as pollinators. The variety Rannya (Early) Kosvira contributed to the crop increase of the variety Komsomolka by 1 1/2 times as compared with varieties Kul'ver and Mazuren. High yield was obtained by pollination of the flowers of Komsomolka with the pollen of the variety Pionerka. -- Shashkina.

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

JUSOWA, Karolina; KUBERSKI, Zdzislaw; MARGOLISOWA, Anna; RADZIKOWSKA, Halina

Electroencephalographic and neurological evaluation of results of the treatment of tuberculous meningitis and encephalitis in children. Neur. &c. polska 6 no.2:143-169 Mar-Apr 56.

1. Z Kliniki Chorob Nerwowych A.M. w Lodzi Kierownik: prof. dr. E. Herman, i z Sanatorium Dziecicego w Lagiewnikach, Kierownik: dr. A. Margolisowa.

(TUBERCULOSIS, MENINGEAL, in infant and child, ther., EEC results (Pol))

(ELECTROENCEPHALOGRAPHY, in various diseases, tuberc., meningeal, evaluation of ther. results in child. (Pol))

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

GANCZARSKI, A.; SROCZYNSKI, K.; BROZIK, H.; GOLDSTEIN, L.; KOWALSKA, D.; LIPINSKA, I.; MIKUCKI, J.; NAREBSKA, E.; RADZIKOWSKA, H.

Effect of Bacillus subtilis on the course of infant diarrhea and intestinal flora. Pediat pol 36 no.2:117-128 F '61.

1. Z I Kliniki Chorob Dzieci A.M. w Lodzi Kierownik Kliniki: doc. dr med. K. Sroczynski Kierownik Katedry A.M. i W.A.M. w Lodzi: prof. dr med. Fr. Redlich i z Zakladu Bakteriologii A.M. i W.A.M. w Lodzi Kierownik: zastepca prof. dr med. A. Ganczarski.

(DIARRHEA in inf & child) (BACILLUS SUBTILIS infect)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIKOWSKA-ORLOWSKA, H.; HEWELKE-GRABOWSKA, J.

Case of acute appendicitis in measles. Pediat. polska 31 no. 7:809-811 July 56.

1. Z I Kliniki Chorob Dzieci A.M. w Lodzi Kierownik: doc. dr. med. E. Wilkoszewski i z Kliniki Chirurgii Dziecicej A.M. w Lodzi Kierownik: Prof. dr. Med. A. Maciejewski, Lodz, Armii Czerwonej 15.

(MEASLES, complications,
appendicitis (Pol))
(APPENDICITIS, complications,
measles (Pol))

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADLINSKI, A.

Does the Janert system solve the problem of the mechanization of drainage jobs? p. 432. (Gospodarka Wodna, Vol. 16, No. 10, Oct 1956, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIKOWSKI, A.

"Progress in modern inland navigation."

p. 559 (Gospodarka Wodna, Vol. 17, no. 12, Dec. 1957
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIKOWSKI, A.

The influence of mine deteriorations on canal harbors. p. 3

ARCHIWUM HYROTECHNIKI. (POLSKA AKADEMIA NAUK. INSTYTUT BUDOWNICTWA WODNEGO) Warszawa, Poland. Vol. 5, 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 8 August 1959.

Uncl.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

JASIEWICZ, Romuald, dr inz.; RADZIKOWSKI, Adam, doc. dr inz.; MANTHEY, Tadeusz, dr inz.; PIETKA, Zenon, dr inz.; KAJETANOWICZ, Zbigniew, prof. dr inz.; MAJEWSKI, Wojciech, mgr inz.; KORDAS, Boleslaw, mgr inz.; JACENKOW, Boleslaw, mgr inz.; ZMIGRODZKI, Zbigniew, prof. dr inz.; MIKUCKI, Zygmunt, doc. dr inz.; SOBIERAJ, Jerzy, mgr inz.

Discussion on papers and communications. Rozpr hydrotechn no.12: 49-64 '62.

1. Technical University, Warsaw (for Jasiewicz, Zmigrodzki, Mikucki). 2. Technical University, Szczecin (for Radzikowski). 2. Research Institute of Hydraulic Engineering, Polish Academy of Sciences, Gdansk (for Manthey, Majewski, Jacenkow, Sobieraj). 4. State Hydrological and Meteorological Institute, Warsaw (for Pietka). 5. Technical University, Krakow (for Kajetanowicz, Kordas).

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

KISIEL, Igor, prof. dr inz.; RADZIKOWSKI, Adam doc. dr inz. NAJDER, Janusz, mgr inz.; HAUPTMANN, Janusz mgr inz.

Discussions on papers and communications. Rozpr hydrotechn no.12:155-160 '62.

1. Technical University, Wroclaw (for Kisiel). 2. Technical University, Szczecin (for Radzikowski). 3. Research Institute of Hydraulic Engineering, Polish Academy of Sciences, Gdansk (for Najder). 4. Biuro Projektow Budownictwa Morskiego, Gdansk (for Hauptmann).

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

MOSSAKOWSKI, Miroslaw; RADZIKOWSKI, Czeslaw.

Case of brachialgia in malignant metastases from the cervix uteri.
Polski tygod.lek. 10 no.45:1473-1474 7 Nov 55.

1. Z Kliniki Chorob Nerwowych; dyrektor: prof. dr. Majewska Zafia i z Zakladu Anatomii Patologicznej Akademii Medycznej w Gdansku; dyrektor: prof. dr. Czarnocki. Zakl. Anat. Patolog. A.M. w Gdansku
(NERVES, BRACHIAL PLEXUS, diseases,
compression by metastases from cervix uteri)
(CERVIX, UTERINE, neoplasms,
causing compression of brachial plexus)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIKOWSKI, CZ.

Biological activity of 1,3-benzoxazine derivatives, particularly against experimental sarcoma. T. Urbański, Cz. Radzikowski, Z. Leśćchowski, and W. Czarnocki (Inst. Technol. Warsaw). *Nature* 178, 1351-2(1956).—Groups of 18–22-g. mice grafted with Crocker sarcoma were injected daily subcutaneously the day after inoculation with 10 therapeutic doses of 1,3-benzoxazine derivs. (compd., lethal and therapeutic doses (mg.) for mice given): 3-benzyl-6-bromo-1,3,2-benzoxazine (I), 30, 5.0; 3-cyclohexyl-6-methyl-1,3,2-benzoxazine (II), 5, 0.2; 2-methyl-1-naphth[1,2-e]-m-oxazine (III), 10, 1.2, the animals sacrificed after 14 days, the tumors exand. histologically, and their wts. detd. Tabulation of ratios of the tumor wts. from exptl. and control mice show that II and particularly III inhibit growth of exptl. sarcoma tumor. The relatively high toxicity of these derivs. prepd. according to Burke (*C.A.* 49, 9201*e*) is emphasized.

C. R. Addinall

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

JUNGOWSKA, Anna; RADZIKOWSKI, Czeslaw

Bronchiolar cancer (bronchiolar carcinoma, alveolar cell carcinoma, adenomatosis pulmoun) unusual primary tumor of the lung according to the survey of the liver and report of a case. Pat. polska 7 no. 1:49-64 Jan-Mar 56.

1. Z Zakladu Radiologii A.M. w Gdansku.Dyrektor: prof. dr. W. Grabowski. Z Zakladu Anatomii Patol. A. M. w Gdansku. Dyrektor: prof dr. W. Czarnocki Gdansk, Akademia Medyczna.

(LUNGS, neoplasms,
carcinoma, alveolar cell. (Pol))

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

MIRECKI, Ludwik; ZELAWSKA, Barbara; RADZIKOWSKI, Czeslaw

Acute hepatic failure in circulatory insufficiency. Polskie arch. med. wewn. 26 no.6:957-963 1956.

1. Z III Kliniki Chorob Wewn. A.M. w Gdansku, Kier. prof. dr. med. J. Penson i z Zakladu Anatomii Patalog. A.M. Kier.:prof. dr. nauk. med. W. Czarnocki, Gdansk, ul. Sluza 9/10. III Klinika Chorob Wewn.

(RHEUMATIC HEART DISEASE, complications,
liver cirrhosis (Pol))
(LIVER CIRRHOSIS, complications,
rheum. heart failure (Pol))

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

POLAND/Organic Chemistry. Synthetic Organic Chemistry G

Abs Jour: Ref Zhur - Khim., No. 4, 1959, 11850

Author : Ledochowski A., Ledochowski Z., Radzikowski Cz.

Inst : Not given.

Title : The Search for Anticancerous Compounds.

Orig Pub: Roczn. chem., 1958, 32, No. 3, 688-689

Abstract: There were synthesized and tested for biological activity 9-R-acidines, where R=$NHN(CH_3)_2$, n-$NHC_6H_4N(CH_3)_2$ or $NH(CH_2)_nN(CH_3)_2$ with n=2-5. Report I; see RzhKhim, 1958, 70876. -- D. Vitkovskiy

Card 1/1

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

LEDOCHOWSKI, Zygmunt; LEDOCHOWSKI, Andrzej; BOROWSKI, Edward; RADZIKOWSKI, Czeslaw; MORAWSKI, Bogdan; GAWLEL, Kazimierz; KOZLOWSKI, Edmund; JAKUBOWSKA, Lucja; GRABOWSKA, Krystyna; WYSOCKA, Barbara; KIRKMUNTER, Alojzy; WYPYCH, Henryk

Research on tumor-inhibiting compounds. III. Synthesis of some derivatives of 1-bromo-7-methoxy-9-aminoacridine. IV. Synthesis of some derivatives of 9-(4-dimethylaminobutylamino-)-acridine. Rocz chemii 34 no.1:53-70 '60. (EEAI 10:9)

1. Katedra Technologii Srodkow Leczniczych Politechniki, Gdansk, Pracownia Nr. 8. Zaklad Syntezy Organicznej Polskiej Akademii Nauk, Gdansk Katedra Anatomii Patologicznej Akademii Medycznej, Gdansk.

(Aminobromomethoxyacridine) (Tumors) (Aminoacridine) (Amino group) (Butyl group) Methyl group)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

LEDOCHIWSKI, Z.; LEDOCHOWSKI, A.; RADZIKOWSKI, C.

Research of tumor inhibiting compounds in the group of 9-aminoacridine derivatives. Bul chim PAN 9 no.4:179-182 '61.

1. Department of Technology of Drugs, Technical University, Gdansk, Laboratory Nr. 8 Department of Organic Synthesis, Polish Academy of Sciences and Department of Pathological Anatomy, School of Medicine, Gdansk. Presented by T. Urbanski.

(Tumors) (Amino alcohols) (Acridine)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

LEDOCHOWSKI, Andrzej; LEDOCHOWSKI, Zygmunt; RADZIKOWSKI, Czeslaw

Research of tumor inhibiting compounds. VIII. New derivatives of 1-bromo-7-methoxy-9-aminoacridine and some aspects of relation between structure and antitumor activity of some acridine derivatives. Rocz chemii 35 no.4:879-886 '61.

1. Department of Technology of Medicaments, Technical University, Gdansk and Department of Organic Synthesis, Polish Academy of Sciences, Laboratory No. 8, Gdansk. Department of Pathology, Medical Academy, Gdansk.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

LEDOCHOWSKI, Zygmunt; LEDOCHOWSKI, Andrzej; RADZIKOWSKI, Czeslaw; WYSOCKA-SKRZELA, Barbara; KONOPA, Jerzy; JURKIEWICZ, Zbigniew

Research of tumor inhibiting compounds. IX. The synthesis of N,N-dimethylaminobutylaminobenzacridines andxsome remarks on the relation between tumor inhibiting activity and structure of some acridine and quinoline derivatives and some semi-products for their synthesis. Rocz chemii 35 no.4:899-905 '61.

1. Department of Technology of Medicaments, Technical University, Gdansk, Department of Organic Synthesis, Polish Academy of Sciences, Laboratory No. 8, Gdansk and Department of Pathological Anatomy, Academy of Medicine, Gdansk.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIKOWSKI, Czeslaw; LEDOCHOWSKI, Zygmunt; LEDOCHOWSKI, Andrzej; RUPRECHT, Maria; HRABOWSKA, Mari

Searching for antineoplastic agents. II. Effect of 38 synthetic compounds from the group III-X on the growth of Crocker's sarcoma in mice. Biological section. Pat. polska 13 no.1:39-58 '62.

1. Z Zakladu Anatomii Patologicznej AM w Gdansku Kierownik: prof. dr med. W. Czarnocki Z Pracowni Nr 8 Zakladu Syntezy Organiznej PAN i Z Katedry Technologii Srodkow Leczniczych Politechniki Gdanskiej Kierownik: prof. dr Z. Ledochowski.
(ANTINEOPLASTIC AGENTS pharmacol) (SARCOMA exper)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

LEDOCHOWSKI, Andrzej; LEDOCHOWSKI, Zygmunt; RADZIKOWSKI, Czeslaw; WYSOCKA-SKRZELA, Barbara; KOZINSKA, Barbara; CZECHLOWSKA, Teresa; MICKIEWICZ, Olcha; PAC-POMARNACKA, Elzbieta

Research on tumor inhibiting compounds. XI. Rocz chemii 36 no.5:827-833 '62.

1. Department of Technology of Medicaments, Technical University, Gdansk, Laboratory No.8. Institute of Organic Synthesis, Polish Academy of Sciences, Gdansk, Department of Pathological Anatomy, Medical Academy, Gdansk.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

WALCZYNSKI, Zbigniew; RADZIKOWSKI, Czeslaw

A case of thrombosis of the umbilical, portal and splenic vein in a 22-day-old infant. Pediat. Pol. 37 no.1:89-94 Ja '62.

1. Z I Kliniki Chorob Dzieci AM w Gdansku Kierownik: prof. dr med. K. Erecinski i z Zakladu Anatomii Patologicznej AM w Gdansku Kierownik: prof. dr med. W. Czarnocki.

(THROMBOSIS in inf & child)
(INFANT NEWBORN dis)

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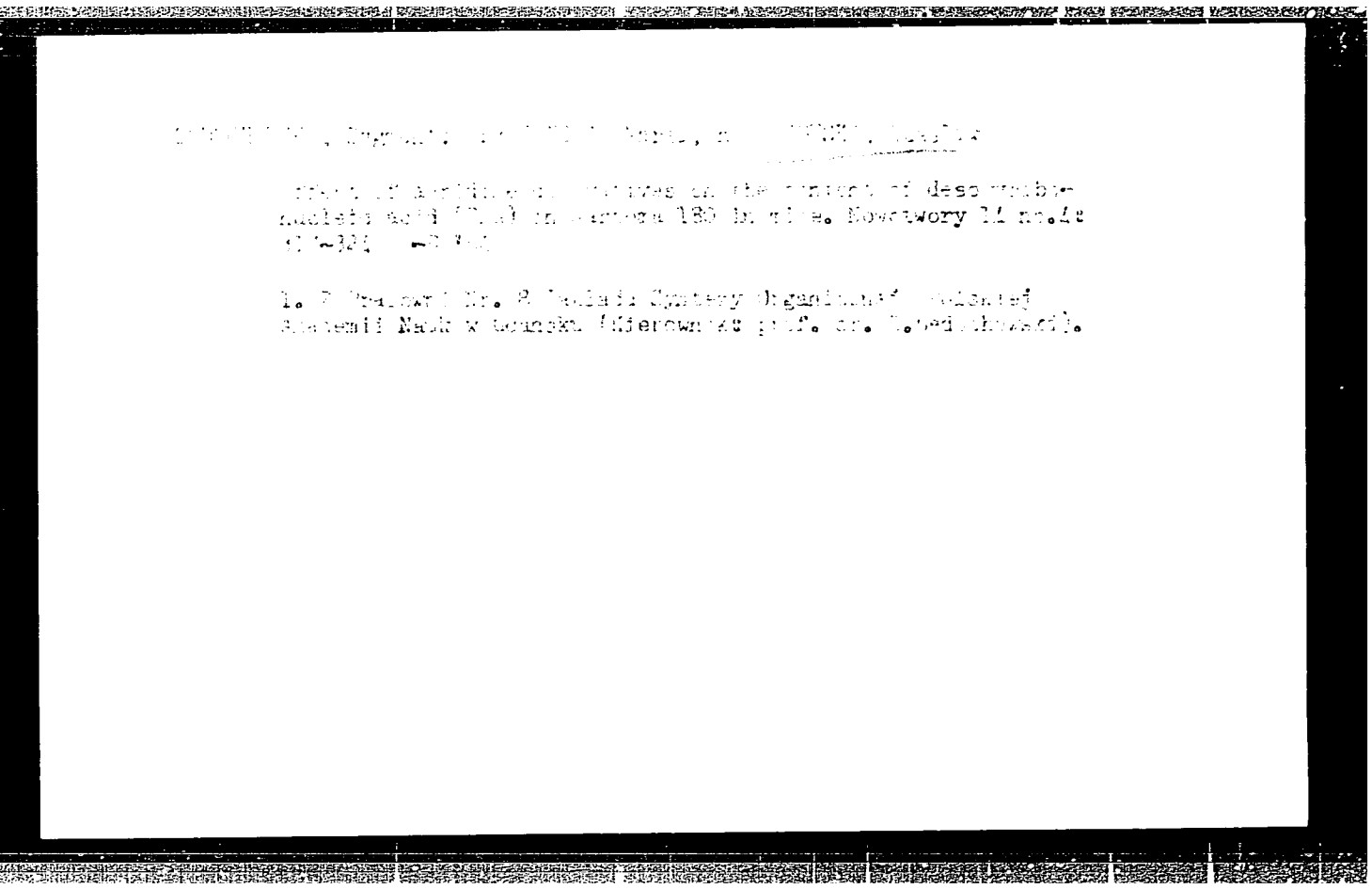

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

MIELESZYC, Stanislaw; RADZIKOWSKI, Czesław

A case of uremia caused by renal infiltration of lymphosarcoma. Pol. arch. med. wewnet. 34 no.12:1697-1700 '64.

1. Z II Kliniki Chorob Wewnetrznych Akademii Medycznej w Gdansku (Kierownik: prof. dr. med. J. Penson) i z Zakladu Anatomii Patologicznej Akademii Medycznej w Gdansku (p.o.Kierownika: doc. dr. med. E. Boj).

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

POLAND / Organic Chemistry. Theoretical Organic Chemistry. G-1

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 1133.

Author : Hurwic, J., Radzikowski, J., Dabrowski, J.
Inst : Not given.
Title : The Investigation of a Tautomerism in β-amino-vinyl Acids by Measuring the Dielectric Constant of their Solutions.

Orig Pub: Roczn. chem., 1958, 32, No 1, 159-161.

Abstract: The tautomerism revealed previously (RZhKhim, 1955, 40057, 1957, 26610) by means of refractometric and spectroscopic measurements in β-aminovinyl ketones RCOCH = CHNHR' ⇄ RC(OH) = CHCH = NR'
1a R = C_2H_5, R' = H; b R = n - C_3H_7, R' = H; c R = R' - CH_3; d R = iso - C_4H_9, R' = CH_3) is

Card 1/2

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIKOWSKI, J.

On the uniqueness of the limit problem for the ultrahyperbolic equation. Bul Ac Pol mat 8 no.4:203-207 '60.

1. Warsaw University. Presented by T. Wazewski.

(Equations)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIKOWSKI, Wladyslaw

Linear programming of the production of articles with complex constructive and technological structure; the machinery industry as example. Przegl statyst 8 no.4:423-434 '61.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIKOWSKI, Z.

Distr: 4E2c

Metallic zinc from zinc concentrates. Zakłady Cynkowe "Wełnowiec" (by Z. Radzikowski, M. Prażmowski, and J. Morawski). Pol. 41,137, July 12, 1958. Finely ground peat coke is mixed with Zn-contg. materials. The mixt. is reduced and distd. at 950–1200°, and Zn vapors are condensed to metallic Zn in 89–91% yield. Peat coke is very suitable for the process because of the low content of ash (max. 10%), volatile substances (max. 10%), and S (traces). K. Bojanowska

5 misc (id)

CTK

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKA-CHLUBEK, Zofia, mgr.,inz.

Experiments with the application of Sveen glue. Przegl papier 18 no.3:89-90 Mr '62.

1. Szczecinskie Zaklady Celulozowo-Papiernicze, Szczecin.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, Aleksander

Removal of plastic foreign bodies from the bronchi, with an electrocauter. Otolar.polska 9 no.1:43-45 '55.

1. Z Kliniki Otolarungologicznej Akademii Medycznej w Lodzi. Kierownik: prof. dr a Radziminski.

(BRONCHI, foreign bodies
plastic, removal with electrocautery)
(FOREIGN BODIES
bronchi, plastic, removal with electrocautery)
(CAUTERY
electrocautery in removal of plastic foreign body from bronchi)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, A.; REDLICH, Fr.; GLOKSIN, W.

Apparatus for intubation in direct laryngoscopy. Otolar. polska 9 no.3:279-280 1955.

1. Z II Kliniki Chorob Dzieci A.M. w Lodzi. Kierownik: prof. dr. Fr. Redlich. Z Kliniki Otolaryngologicznej A.M. w Lodzi. Kierownik: prof. dr. A.Radziminski.
(LARYNGOSCOPY, apparatus and instruments, vor intubation in direct laryngoscopy)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, A; REDLICH, Fr; GLOKSIN, W. REDLICH, Fr., prof. dr.; Lodz, Armii Czerwonej 15.

Principles and technic of laryngoscopy for pediatric use. Pediat. polska 30 no.4:361-366 Apr '55.
(LARYNGOSCOPY, in pediatrics technic)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, Aleksander

Remote results following conservative surgery of the middle ear. Otolar. polska 10 no.3-4:271-278 1956.

1. Z Kliniki Otolaryngologicznej A.M. w Lodzi Kierownik: prof. dr. med. A. Radziminski, Lodz, Kopcinskiego 22.
(EAR, MIDDLE, surgery,
conservative, results (Pol))

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, Aleksander; PRZYWNICKI, Stanislaw

Controlled hypotension in otolaryngological operations. Otolar. polska 11 no.1:7-15 1957.

1. Z Kliniki Otolaryngologicznej A. M. w Lodzi. Kierownik: prof. dr med. A Radzininski.

(HYPOTENSION, CONTROLLED
in otolaryngol. surg. (Pol))
(OTORHINOLARYNGOLOGICAL DISEASES, surg.
controlled hypotension in (Pol))

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

STOPCZYK, J., Prof; RADZIMINSKI, A., Prof.

Bronchoscopic aspiration in the treatment of post-hemorrhagic atelectasis. Gurzlica 25 no.11:901-905 Nov 57.

1. Z Kliniki Ftzjatrycznej (for Stopczyk) i z Kliniki Otolaryngologicznej A. M. w Lodzi (for Radziminski).
(ATELECTASIS, ther.
bronchoscopy in post-hemorrh. atelectasis (Pol))
(BRONCHOSCOPY, in var. dis.
ther. of post-hemorrh. atelectasis (Pol))

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EXCERPTA MEDICA Sec.11 Vol.10/11 Oto-Rhino-Laryngo Nov57

RADZIMINSKI A.

2178. RADZIMIŃSKI A. and KMITA S. I Klin. Chor. Dzieci i Otolaryngol. A. M., Lodz. *powikłania wewnątrzczaszkowe w przebiegu zapalenia ucha środkowego u niemowląt. Intracranial complications in the course of otitis media in infants PEDIAT. POL. 1957, 32/3 (237-244)

The authors presented a description of 3 cases of intracranial complications of aural origin in infants in the form of large abscesses of the brain diagnosed post

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mortem. On the basis of the cases under observation the authors came to the following conclusions: 1) Premature infants or those born in pathological labour ran a greater risk of intracranial complications in the course of otitis media than infants born in normal conditions. That is why the treatment should be carried out in clinical conditions. 2) The appearance of paresis of the facial nerve, nystagmus or meningeal symptoms may be the early sign of the changes in the brain tissue. 3) The changes in the brain tissue in infants often arise haematogenically in the course of otitis media of the septicaemia type which is favoured by the presence of the embryonal tissue in the middle ear in infants. (XI, 7, 8*)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, Aleksandr, prof.; POKSHIVNITSKI, Stanislav [Pokrzyvnicki, S.]

Controlled hypotension in otolaryngological operations. Vest.otorin. 21 no.5:15-21 S-O '59. (MIRA 13:1)

1. Iz otolaringologicheskoy kliniki (zav. - prof. A. Radziminski) Lodzinskogo meditsinskogo instituta.
(HYPOTENSION, CONTROLLED)
(OTORHINOLARYNGOLOGY, surgery)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, Aleksander

Unusual case of congenital anomaly of the nose. Otolar.polska 14 no.2:255-257 '60.

1. Z Kliniki Otolaryngologicznej A.M. w Lodzi, Kierownik: prof. dr med. A.Radziminski.
(NOSE abnorm)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKIY, Aleksandr [Radziminski, A.]; BARDAKH, Yanush [Bardach, Janusz]

Surgical treatment for congenital absence of the external auditory canal. Vest. otorin. no.4:66-72 '61. (MIRA 15:2)

1. Iz kliniki bolezney ukha, gorla i nosa (zav. - prof. A. Radziminskiy) i kliniki chelyustno-litsevoy khirurgii (zav. - dotsent Ya. Bardakh) Meditsinskoy akademii, Lodz', Pol'sha.

(EAR--ABNORMITIES AND DEFORMITIES)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, Aleksander; SIPA, Konrad; BRZEZINSKI, Euzebiusz

Use of trichloroethylene in bronchoscopy and certain laryngological procedures. Otolar polska 15 no.1:7-10 '61.

1. Z Kliniki Chorob Uszu, Nosa i Gardla AM w Lodzi. Kierownik: prof. dr med. A. Radziminski.

(TRICHLOROETHYLENE anest & analg)
(BRONCHOSCOPY anesth & analg)
(OTORHINOLARYNGOLOGY anest & analg)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, Aleksander; BARDACH, Janusz

Congenital absence of the external auditory duct and its surgical therapy. Otolar polska 15 no.2:147-158 '61.

1. Z Kliniki Otolaryngologicznej AM w Lodzi Kierownik: prof. dr med. A. Radziminski Z Kliniki Chirurgii Szczekowo-Twarzowej AM w Lodzi Kierownik: doc. dr J. Bardach
(EAR EXTERNAL abnorm)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, Aleksander

On surgical therapy of juvenile fibromas. Otolar polska 15 no.3: 297-306 '61.

1. Z Kliniki Otolaryngologicznej AM w Lodzi Kierownik: prof. dr med. A. Radziminski.

(OTORHINOLARYNGOLOGY neopl) (FIBROMA surg)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

HERMAN, Eufemiusz; RADZIMINSKI, Aleksander

Behavior of the inner ear during the course of some neuro-infections of viral origin. Otolaryng. Pol. 16 no.1.:119-124 '62.

1. Z Kliniki Otolaryngologicznej AM w Lodzi Kierownik: prof. dr med. A. Radziminski Z Kliniki Neurologicznej AM w Lodzi Kierownik: prof. dr med. E. Herman.
(LABYRINTH dis) (VIRUS DISEASES)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

BARDACH, Janusz; RADZIMINSKI, Aleksander

Plastic surgery of the auricle in microtia. Otolaryng. pol. 16 no.3: 479-487 '62.

1. Z Kliniki Chirurgii Szczekowo-Twarzowej AM w Lodzi Kierownik: doc. dr med. J. Bardach i Kliniki Otolaryngologicznej AM w Lodzi Kierownik: prof. dr med. A. Radziminski.
(EAR EXTERNAL DEFORMITY)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, Aleksander

Behavior of hearing after narcotics. Otolaryng. pol. 17 no.2: 143-146 '63.

1. Z Kliniki Otolaryngologicznej AM w Lodzi Kierownik: prof. dr med. A. Radziminski.
(MORPHINE) (EPHEDRINE) (SCOPOLAMINE)
(CODEINE) (PHARMACOLOGY) (HEARING)
(HEARING DISORDERS)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

BARDAKH, Janush [Bardach, Janusz]; RADZIMINSKI, Aleksandr [Radziminski, Aleksander]

Plastic surgery of the auricle of the ear in microtia. Vestn. otorinolaring. 25 no.3:20-23 '63 (MIRA 17:1)

1. Iz kliniki chelyustno-litsevoy khirurgii (zav. - dotsent Ya. Bardakh) i kliniki bolezney ukha, nosa i gorla (zav. - prof. A. Radziminski) Meditsinskoy akademii, Lodz', Pol'sha.

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, Aleksander, prof. dr. med.: OKON, Janusz

2 Cases of Treacher-Collins syndrome. Otolaryng. Pol. 19 no.2: 259-261 '65.

1. Z Kliniki Laryngologicznej Akademii Medycznej w Lodzi (Kierownik: prof. dr. med. Radziminski).

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, Aleksander

Dermatoplasty in congenital lack of external acoustic meatus with existing aural concha. Otolaryng. Pol. 19 no.3:313-315 '65.

1. Z Kliniki Otolaryngologicznej AM w Lodzi (Kierownik: prof. dr. med. A. Radziminski).

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, Aleksander; OKON, Janusz

Results of surgical treatment of juvenile fibromas. Otolaryng. Pol. 19 no.3:317-323 '65.

1. Z Kliniki Otolaryngologicznej AM w Lodzi (Kierownik: prof. dr. med. A. Radziminski).

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

[illegible], [illegible].

Index of the utilization of time in the installation of the "Truo" type guides.
Biuletyn. [illegible].
[illegible] (Instytut Techniki Budowlanej) Warszawa
Vol. 10, no. 12, sec. 1-5[illegible].

Jo. Nasz Przegl. Acc. Lons List Vol. [illegible], No. 9 September 1[illegible]

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[redacted], A.

"Execution of Research Work on Standards in Road Construction." p. 149, (DROGOWNICTWO, Vol. 9, No. 6, June 1954. Warszawa, Poland.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIMINSKI, Wlodzimierz, mgr.inz.

Methods of establishing standards for the consumption of fundamental road construction materials. Techn. drog. prace 3:9-103 '63.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

GIRENKO, L.; SOLOV'YEV, L.; RADZIMIRSKIY, K. N.

Outstanding scientist of the Ukrainian S.S.R., Professor IAkov Aleksandrovich Shvartsberg; 40 years of medical, scientific, pedagogical and social activity. Vest. oto-rin. 16 no.6:79-80 N-D '54. (MLRA 8:1)

1. Po poruchen'yu kollektiva kliniki bolezney ukha, gorla i nosa Kiyevskogo meditsinskogo instituta
(SHVARTSBERG, IAKOV ALEKSANDROVICH)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIMIRSKIY, Kazimir Nikolayevich, kandidat meditsinskikh nauk; ZARITSKIY, L.A., redaktor; LOKHMATYY, Ye.G., tekhnicheskiy redaktor

[Burns in the esophagus caused by caustic chemical substances and their treatment] Ozhogi pishchevoda edkimi khimicheskimi veshchestvami i ikh lechenie. Kiev, Gos. med. izd-vo USSR, 1956. 30 p.
(ESOPHAGUS--WOUNDS AND INJURIES) (MIRA 9:7)
(BURNS AND SCALDS)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIMIRSKIY, K.N., kandidat meditsinskikh nauk.

Universal nasal corrector. Vest. oto-rin. 16 no.5:69 S-O '54.
(MLRA 7:12)

1. Iz kafedry bolezney ukha, gorla i nosa (zav. zasluzhennyy deyatel' nauki prof. IA.A.Shvartsbert) Kyevskogo meditsinskogo instituta.

(NOSE, fractures,
ther., universal appar.)
(FRACTURES,
nose, ther., universal appar.)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001344010003-5

RADZIMIRSKIY, K.N., kand.med.nauk

Rare case of penetration of a foreign body from the right bronchus into the pleural cavity. Zhur. ush., nos. i gorl. bol. 20 no.6: 81-82 N-D '60. (MIRA 15:2)

1. Iz Otorinolaringologicheskogo otdeleniya 3-y gorodskoy bol'nitsy i otorinolaringologicheskoy kafedry (zav. - zasluzhennyy deyatel' nauki prof. Ya.A.Shvartsberg) Kiyevskogo meditsinskogo instituta.
(PNEUMONIA) (PLEURA--FOREIGN BODIES)

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1. Iz Instituta gidrobiologii AN USSSR.
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1. Institut gidrobiologii AN USSR, Kiyev.
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